

VELO Module Production – Sensor End Bonding

LHCb Technical Note

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Abstract

This note describes the procedures used in the bonding of the silicon to the pitch adaptors for the LHCb VELO detector modules.

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1. Introduction

To implement the readout of the VELO sensors requires three successive wire bonding steps during production: back end bonding [1], front end bonding [2] and finally sensor end bonding. This note describes the sensor end bonding of the VELO modules. The purpose of the sensor end bonding is to electrically connect the sensors, which have been tested[3] and glued[4] to the hybrid. In the sensor end bonding process wire bonds are placed between the pitch adaptors and the sensors on the hybrid. Each hybrid has two sensors attached, an r-measuring detector and a phi-measuring detector. Although there are 2048 channels on both designs of sensor and the pad layout of the radial side is not geometrically the same as that of the phi side. The sensors were designed to accommodate two row bonding whilst the pitch adaptors are four row bonding. All sensor end bonding on the production modules was carried out on two Hesse and Knipps bondjet 710 machines (710A and 710B). Details of the wire bonding process can be found in [2].

2. Mechanical Setup Procedure

For sensor end bonding, the bonding jig needs to be mounted as for front end bonding with the sensor furthest away from the operator. Following the procedure for backend and front end bonding the hybrid is mounted into the bonding jig whilst in its handling frame (See in Figure 1). This is done to avoid direct handling of the hybrid and to ensure safe insertion of the double sided hybrid onto the bonding jig. The first side to be bonded is the nominated radial sides (with the r-type pitch adaptors) face up onto the bonding jig. Vacuum from a dedicated high volume pump is applied to hold the hybrid down firmly to the jig. Any loss of suction around the hybrid was shown to lead to problem bonds. A thin sheet of clean room paper is placed between the surface of the detector (laying face down) and the bonding jig to avoid scratching the surface of the Si.

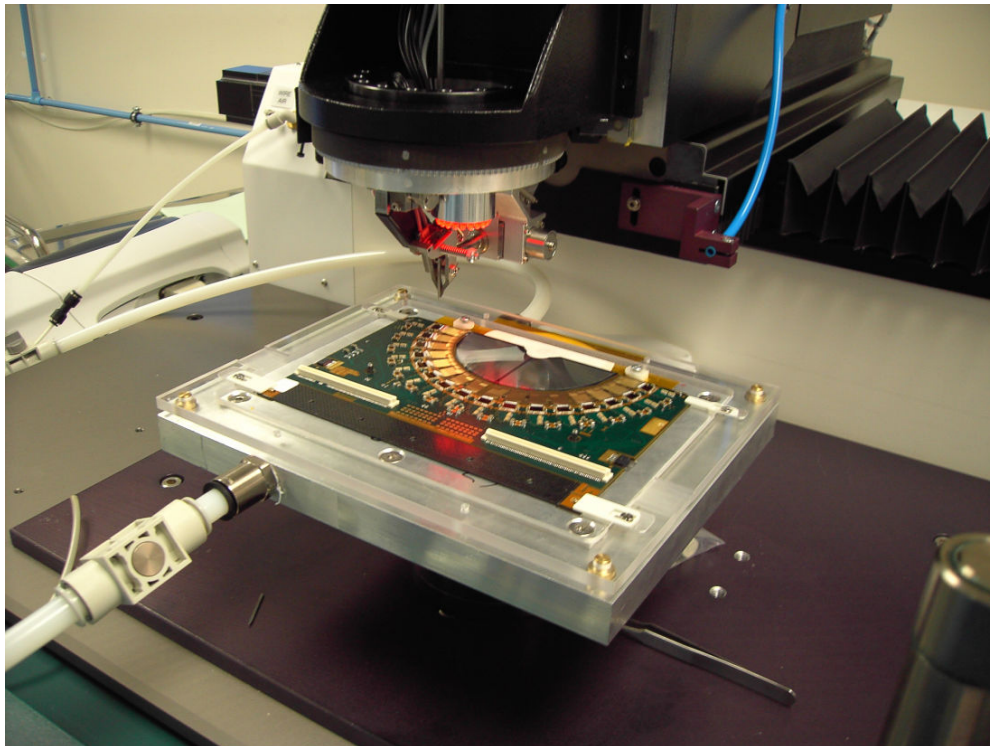


Figure 1: Sensor in frame and on bonding jig ready for sensor end bonding on the H&K 710 machines. Note the orientation of the jig.

3. Quality Assurance & Calibration

3.1. Initial Tests

The initial setup of the machines for sensor end bonding was identical to that for the front end bonds[2]. The gold “scratch pad” on the hybrid (Figure 2) was used to place several test bonds and these destructively tested using a Dage 4000 series wire bond strength tester. All of the test bonds were required to have a strength of $> 6g$ for bonding to proceed.

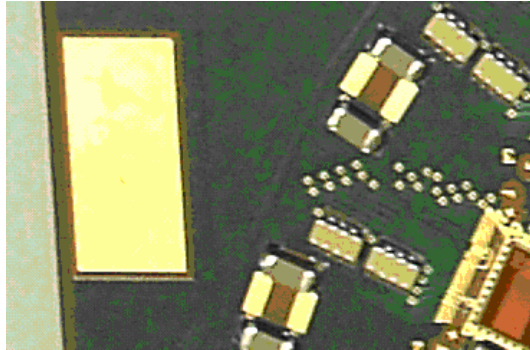


Figure 2: Gold bond pad on hybrid used for calibration.

Before bonding proceeded the hybrid number, wire spool number and the number of bonds the wedge has performed (using the “wedge counter” in options) were recorded.

3.2. Bonding map for sensor end bonds

The bonding map for the two sensor types (r and ϕ) is not identical as the geometry and the readout for both detectors are different. In both cases the sensors have double rows of bond pads whereas the pitch adaptors have four layers of bonds. Thus the bonding scheme must go between two to four row bonding. This is visually extremely complicated and must be coded into the bonders. It should be noted that the validity of the bond scheme was checked channel by channel on all completed detectors using an infrared laser and precision automatic “ $x-y$ ” table that allowed each channel to be individually illuminated [5].

The design of the ϕ sensors is such that there are approximately twice as many “outer” strips (1365) as inner strips (683). The readout of the inner strips is interlaced with that of the outer strips on the sensor. Due to the complexity of laying out the sensor geometry the pattern of the inner and outer strips does not follow the ASIC bonds in a natural way. The schematic for the bonding of ϕ sensor is shown in Figure 3. The relation with the strip numbers, pitch adaptors and chips is shown in Figure 4 whilst the details of the sensor pad to Beetle pads connections are enumerated in Appendix C.

The schematic for the bonding of r sensor and its pad layout are shown in Figure 5 and Figure 6. The details of the sensor pad to Beetle pads connections are given in Appendix D. The designed pad sizes for the pitch adaptor to sensor were as follows pitch adaptor Sensor end $R1 = 100\mu m$, $R2 = 70\mu m$, $R3 = 50\mu m$, $R4 = 50\mu m$. PHI sensor $70\mu m \times 300\mu m$ Radial Sensor outer tracks $80\mu m \times 250\mu m$ inner tracks $70\mu m \times 300\mu m$.

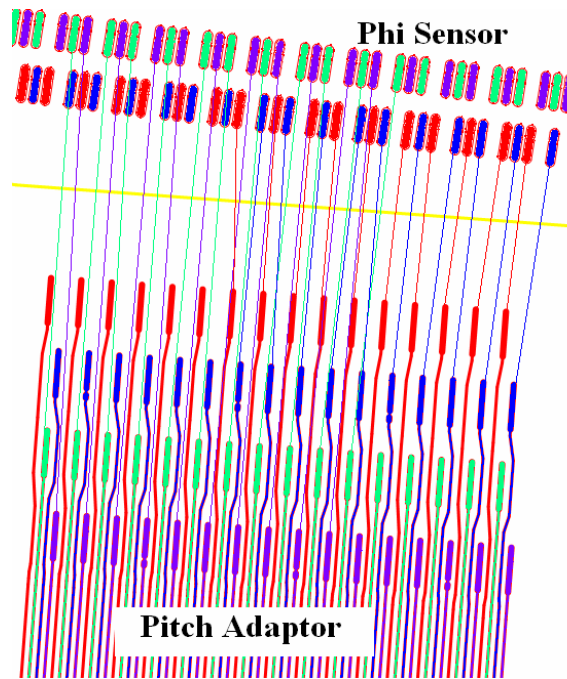


Figure 3: Schematic used for the bonding of the phi type sensors. Note that the four rows of bonds on the pitch adaptors and the two rows of bonds on the sensors. The bond wires are shown in their corresponding pad colours, Red to Red Row 1, Blue to Blue Row 2, Green to Green Row 3 and Purple to Purple Row 4.

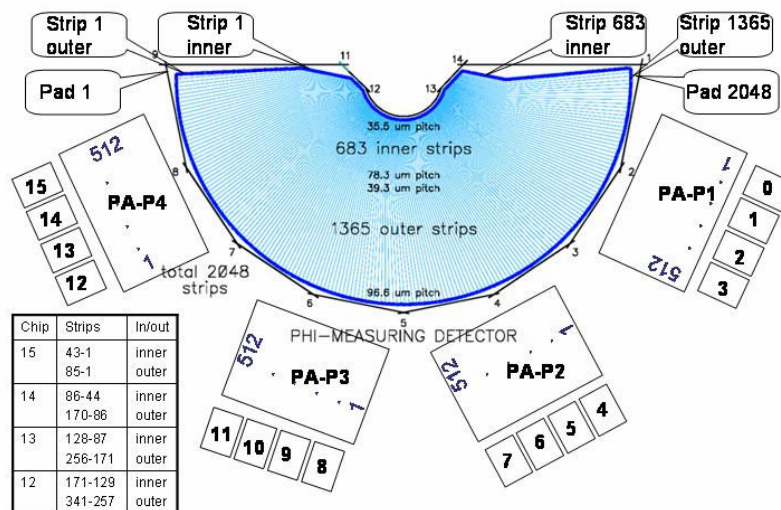


Figure 4: Schematic of readout on the phi side of the module showing the coarse relationship between strip numbers, pitch adaptors and beetle channel numbers. Rows one and two on the pitch adaptor go to row one on the sensor. Rows three and four on the pitch adaptor go to row two on the sensor

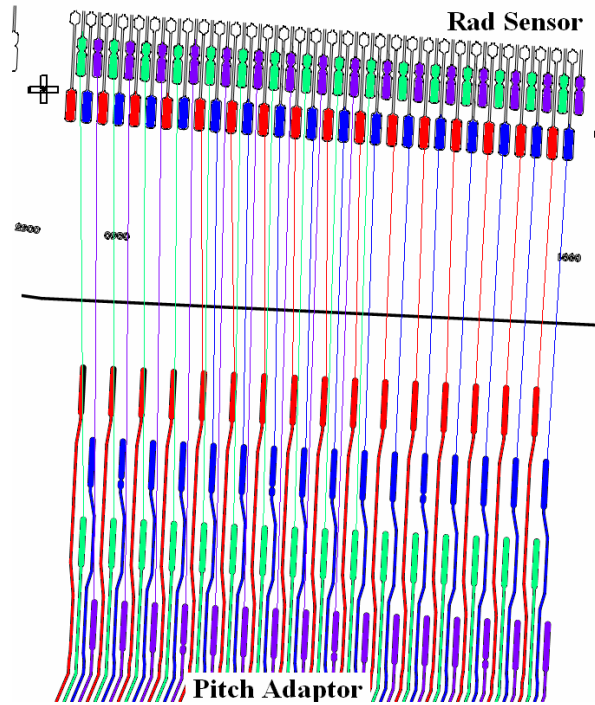


Figure 5: Schematic used for the bonding of the r type sensors. Note that the four rows of bonds on the pitch adaptors and the two rows of bonds on the sensors. The bond wires are shown in their corresponding pad colours, Red to Red Row 1, Blue to Blue Row 2, Green to Green Row 3 and Purple to Purple Row 4.

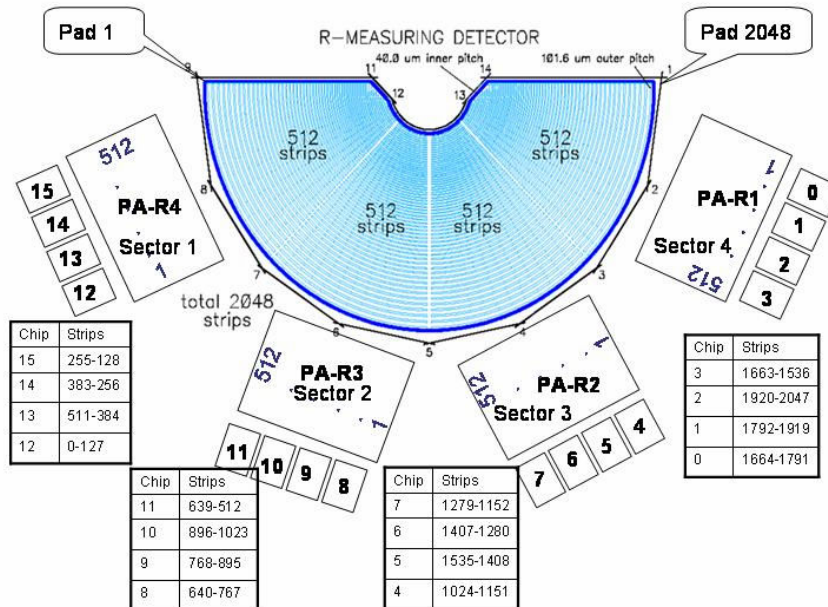


Figure 6: Schematic of readout on the R side of the module showing the coarse relationship between strip numbers, pitch adaptors and Beetle channel numbers. Rows one and two on the pitch adaptor go to row one on the sensor.

3.3. Bonding Procedure

The bonding is performed in four layers/rows, as is the front-end bonding.: row one has a loop height of 450um, row two has a loop height of 600um, row three has a loop height of 750um, row four has a loop height of 950um. Each row is bonded in sequence starting with the lowest. Separate programmes (see Appendix B) are required for each row.

Each of the programmes uses one of 8 reference systems shown in Figure 7.

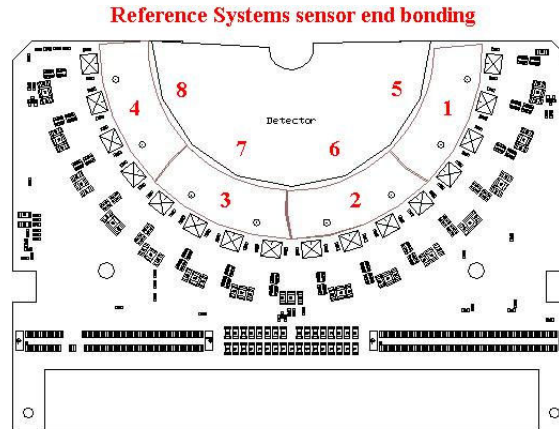


Figure 7: Reference systems for sensor end bonding

Note that for the bonding programmes reference systems 5, 6, 7 and 8 are identical.



Figure 8: Fiducial marks for the sensors used to define the references 5 to 8. These are in identical positions for both the r and phi sensors.

The fiducial marks for the sensors are shown in Figure 8 and for the pitch adaptors in Figure 9. The above pictures show the radial sensor, but the fiducials for the phi sensor are in the same place. The sensor has four reference systems to enable four touchdown points this is to eliminate any damage that could be caused to the sensor should the glue thickness be uneven.

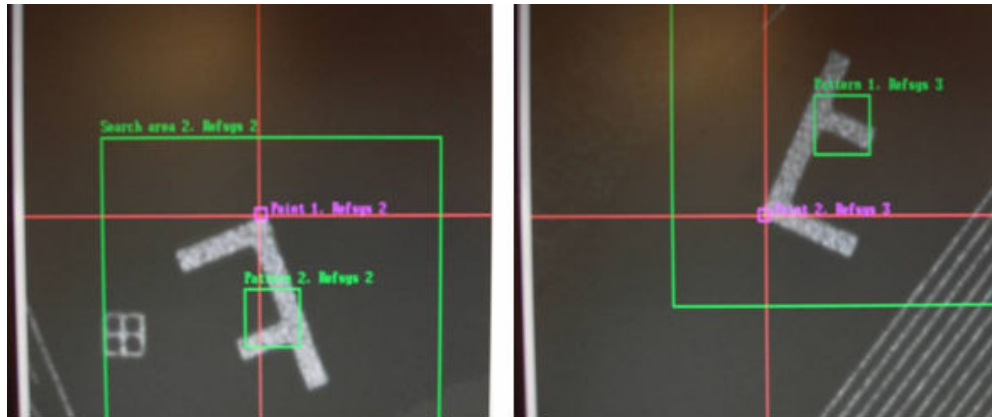


Figure 9: Fiducial marks on the pitch adaptors used as references for fiducials 1-4.

Should the program you have loaded (either RADR1, RADR2 ETC) fail to identify automatically the fiducials these can be manually aligned. There are 512 wires in each rad program and 512 wires in each phi program. A total number of 4,096 sensor end bonds for the complete modules which reflects the numbers of sensor strips. Figure 1 shows a photo of the bonding.

During production we note the sensor end bonds have four row bonding visual inspection is carried out on each row and any repairs are performed prior to loading the next program

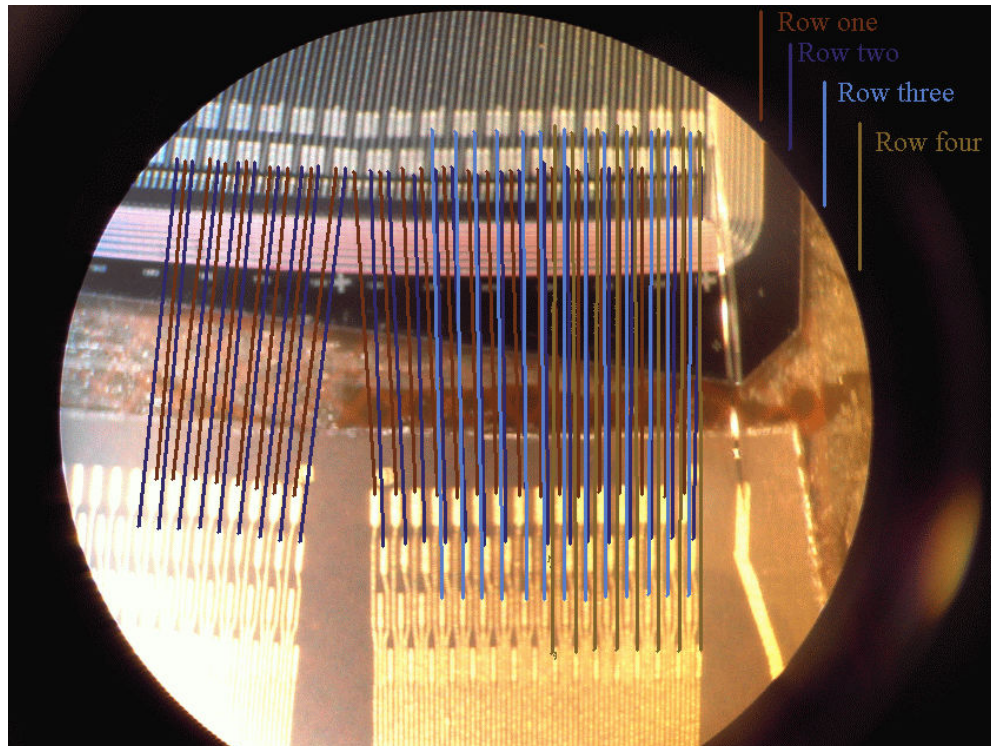


Figure 10: Photograph of sensor end bonding. Superimposed is the bond map for the 4 rows.

4. Bonding Results

4.1. Pull strengths

The front-end bonding was performed on the Hesse and Knipps bondjet 710 machines. Samples of bonds were tested by measuring the pull required to break the bond, and the data analysis for the two machines is shown below. These are the same data as for the front end bonds as the machines are used for both purposes during a bonding sessions. Note the Lower limit for acceptable bonds was 6g. Mean pull and the standard deviations for the two machines were:

710A: 8.9 ± 1.6 g (1% below limit)

710B: 8.8 ± 1.8 g (5% below limit).

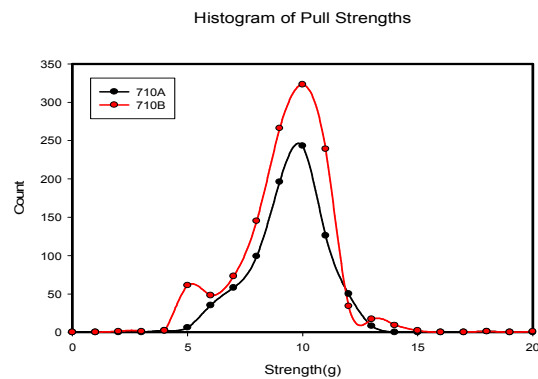


Figure 11: Pull strengths for the two 710 machines.

4.2. Bonding Failures

During the testing of the sensors, certain strips were found to be problematic, there was a QA requirement that the number of problem strips must be less than 1% of the 2048 total strips per sensor. It was a requirement that problem strips should be excluded during the bonding of the sensors to the pitch adaptors. The database system was used to provide the requisite information to the bonding machine operators so that these bonds could be excluded.

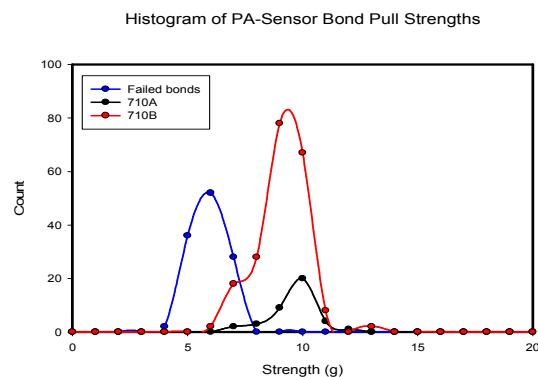


Figure 12: Rebonding or repairs on the sensor end bonding allowed samples of the real bond strength. Displayed are the samples of PA/Sensor bonds from two failed hybrids and for the rest of the production for both the 710A and 710B machines.

Apart from the excluded bonds, there was a requirement that all the bonds between the sensor and the pitch adaptor should be made, in order to ensure the readout of the silicon strip. Where a bond failed, additional attempts were made and the information that a bond required multiple attempts was logged in the database. In the worst case, where a bond could not be made, the failure was logged so that it could be tracked and explain readout failures in the subsequent testing.

The repair of bonds (or replacement of chips or pitch adaptors) allowed the sensor end bond strengths to be sampled (destructively) for the 710A and 710B these are shown in Figure 12. On these limited samples the 710A and 710B have bond strengths 9.0 ± 1.0 and 9.3 ± 1.4 g. Two hybrids that were rejected had bond strengths 5.4 ± 0.7 g (also shown in Figure 12). The problems with these hybrids was contaminated pitch adaptors from gluing

Additional information was available from the database which contains full information on the sensor end bonding performance over the 44 production modules. The distribution of bad bonds as a function of chip channel number (Figure 13) shows no obvious structure. The distribution of bad sensor end bonds as a function of chip number is not remarkable except for a very small asymmetry between the left half and right of the hybrid for which there is no explanation (Figure 14). The distribution as a function of the module production number is also shown (Figure 15) and this presents some limited evidence for an increase in bonding quality during production. Note that for all these figures a bad bond is one that required multiple bonding attempts, or failed to be made.

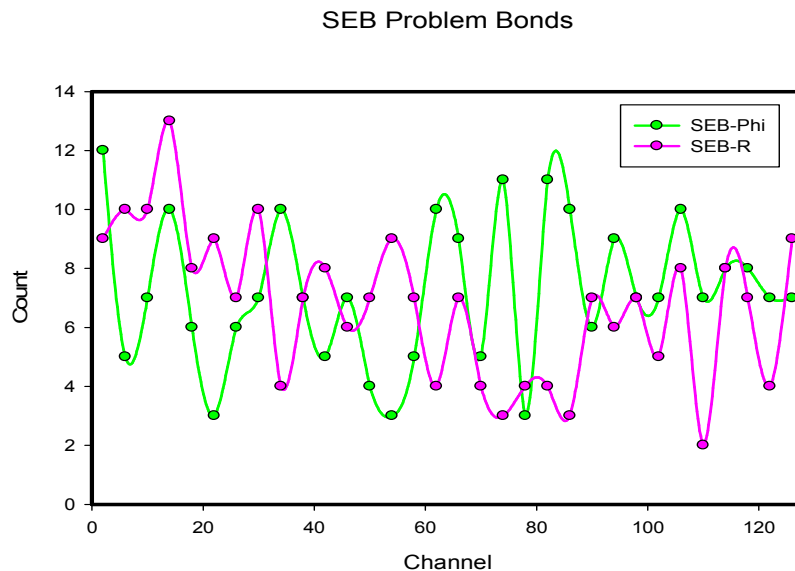


Figure 13: Distribution of problem bonds as a function of channel number on the sensor end bonding. Due to the matching of pitches by the adaptors to the sensor there is little evidence of variations.

Overall more than 180000 front end bonds made, there were only 2 failed R side bonds and 1 failed Phi side bonds (0.002% total). The total number of problem strips that were not bonded was 557 (0.3%). Multiple attempts were required on 1179 bonds. This data is summarized in Table 1.

Additional photos of the sensor end bonds are shown in Figure 17 and Figure 16.

SEB Problem Bonds

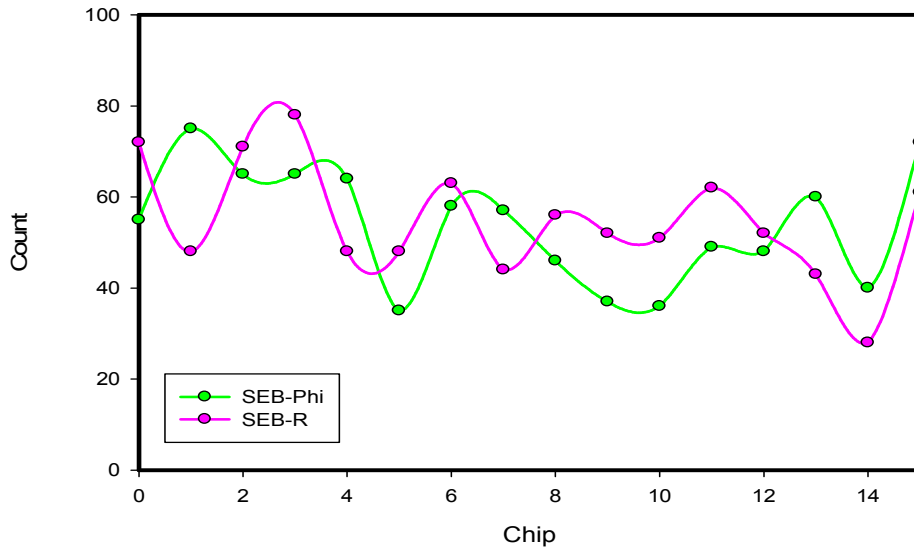


Figure 14: The distribution of the problems as a function of chip number. There appears to be a small (unexplained) asymmetry between chips 0-7 and 8-15.

SEB Problems v Module

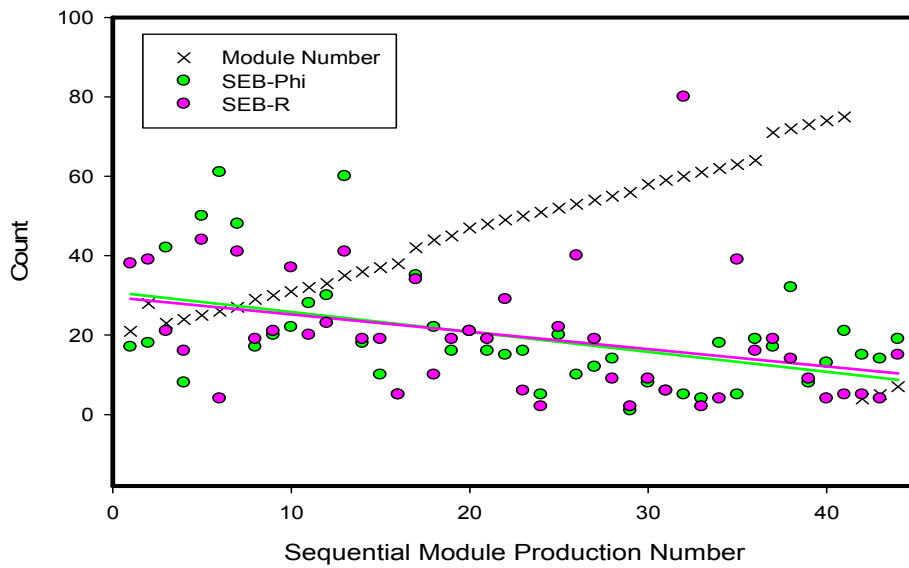


Figure 15: the distribution of problems in SEB as a function of module production number. Fits to the number of problems indicate an improvement in the production quality as a function of time.

Table 1: Summary of sensor end bonding performance.

SEB		
	R-side	Phi-side
No of modules	44	44
No of bonds/module	2048	2048
Total Bonds	90112	90112
Failed bonds	2	1
% failed bonds	0.002	0.001
Repeat bonds	585	594
% repeat bonds	0.65	0.66
Excluded bonds	293	264
%excluded	0.33	0.29

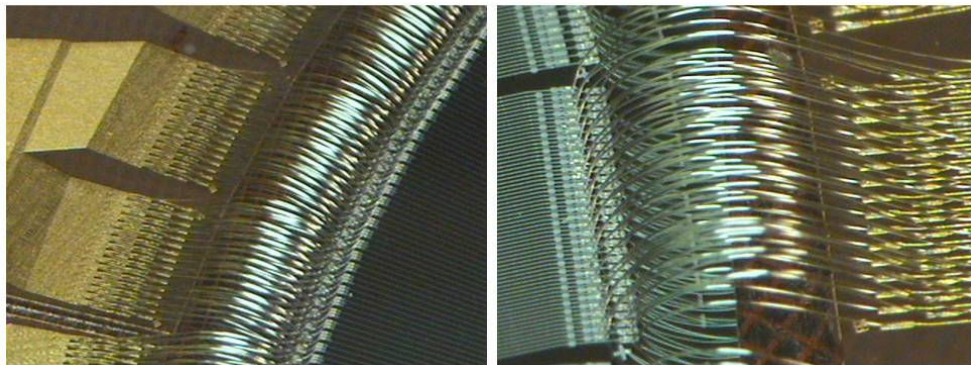


Figure 17: Photo of sensor end bonding to phi (left) and r (right) detectors.

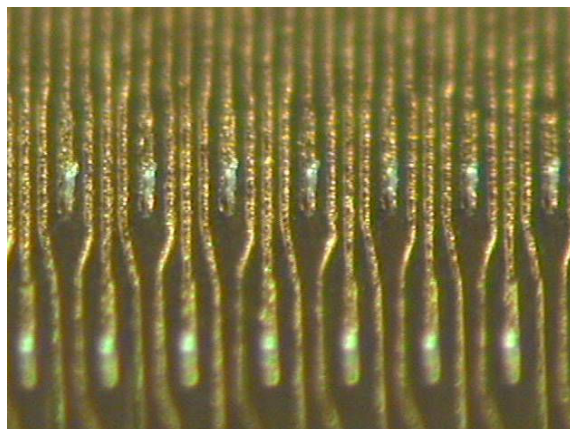


Figure 16: Photo of bond feet and PA

5. Conclusion

Over 180000 bonds were made for LHCb VELO module front ends. Only 0.002% failed. However 0.3% were not bonded for other reasons – mostly due to faults in the sensors themselves. The PA bonding presented substantial problems due to the size of pads.

6. References

1. Whitley, M., *et al.*, *VELO Module Production - Back End Bonding*. LHCb Internal Note, 2007(078).
2. Wormald, M., *et al.*, *VELO Module Production - Front End Bonding* LHCb Internal Note, 2007(079).
3. Turner, P.L., *et al.*, *VELO Module Production - Sensor Testing*. LHCb Internal Note, 2007(072).
4. Carroll, J.L., *et al.*, *VELO Module Production - Module Assembly*. LHCb Internal Note, 2007(076).
5. Rinnert, K., *et al.*, *VELO Module Production - Laser Test and Noise Analysis*. LHCb Internal Note, 2007(083).

Appendix A Bond parameters

1.Reference pattern:	
Position:	X = -90.452 mm, Y = -40.182 mm
Image information	
algorithm:	pattern recognition for chips
search area:	400 X 400 Pixel
Image size:	64 X 64 Pixel
accuracy:	good
Subpixel search:	off
save search:	off
2.Reference pattern:	
Position:	X-81.484 mm, Y-3.793 mm
Image information	
algorithm:	pattern recognition for chips
search area:	400 X 400 Pixel
Image size:	64 X 64 Pixel
accuracy:	good
Subpixel search:	off
save search:	off
1.Reference point:	X = -81.878 mm, Y =-3.497 mm
2.Reference point:	X = -90.100 mm, Y =-40.496 mm
Focus height:	-1.352 mm
Tolerance:	0.100 mm
Lighting (Upon):	42.00%
Lighting (Ring):	88.00%
Touchdown data:	
Touchdown height:	-17.495 mm
Touchdown area:	0.100 mm
Lower Tolerance:	0.300 mm
velocity:	2.000 mm/s
Welding parameters:	
US-threshold 1:	3.000 %
Bond force 1:	13.000 cN
US-threshold 2:	17.000 %
Bond force 2:	18.000 cN
Change at:	7.000 ms
US-channel:	A
Max. deformation:	38.000 %
Max. bond time:	110 ms
Positioning parameters:	
Offshoot:	0.020 mm
Delay:	10 ms
Accuracy:	
Working area:	0.003 mm
Height:	0.200 mm
Radius:	0.100 mm
Loop parameters:	
Start height:	0.500 mm
Height:	0.450mm
Form:	85.000 %
Clamp closed after apex	Tear Off:
Method:	Wire Clamp

General parameters	
Working height:	-1.748 mm
Wire buffer:	70.000 %
Holder:	CICOHEIZUNG
Ultrasonic generator	
Channel A	
Ramp:	15
Boost:	0.000 °s
Delay:	2.000 ms
Channel B	
Ramp:	15
Boost:	0.000 %
Delay:	2.000 ms
Mode of adjustment:	per Board
Off-bond:	per Substrate
Parameters for Reference system	#1 BJ710-M-100-1200 04.10.2006

Appendix B Programmes used on H&K 710

Program name	Description	Wires in Program
RADR1	Radial detector 1 st row	512
RADR2	Radial detector 2 nd row	512
RADR3	Radial detector 3 rd row	512
RADR4	Radial detector 4 th row	512
PHIR1	Phi detector 1 st row	512
PHIR2	Phi detector 2 nd row	512
PHIR3	Phi detector 3 rd row	512
PHIR4	Phi detector 4 th row	512

Appendix C Lookup table for Phi Detector

The data from this table is currently available (in more economical form) in the channel lookup tool (<http://velodb.ph.liv.ac.uk/lhcb/channelmap/channelmap.php?stype=P&sort=cc>.)

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
2048	inner	683		P1	1	0	0	682
2046	inner		1364	P1	3	1	0	2046
2047	outer		1365	P1	2	2	0	2047
2045	outer		1363	P1	4	3	0	2045
2044	inner	682		P1	5	4	0	681
2042	inner	681		P1	7	5	0	680
2043	outer		1362	P1	6	6	0	2044
2041	outer		1361	P1	8	7	0	2043
2040	inner		1360	P1	9	8	0	2042
2038	inner	680		P1	11	9	0	679
2039	outer		1359	P1	10	10	0	2041
2037	outer		1358	P1	12	11	0	2040
2036	inner	679		P1	13	12	0	678
2034	inner		1356	P1	15	13	0	2038
2035	outer		1357	P1	14	14	0	2039
2033	outer		1355	P1	16	15	0	2037
2032	inner	678		P1	17	16	0	677
2030	inner	677		P1	19	17	0	676
2031	outer		1354	P1	18	18	0	2036
2029	outer		1353	P1	20	19	0	2035
2028	inner		1352	P1	21	20	0	2034
2026	inner	676		P1	23	21	0	675
2027	outer		1351	P1	22	22	0	2033
2025	outer		1350	P1	24	23	0	2032
2024	inner	675		P1	25	24	0	674
2022	inner		1348	P1	27	25	0	2030
2023	outer		1349	P1	26	26	0	2031
2021	outer		1347	P1	28	27	0	2029
2020	inner	674		P1	29	28	0	673
2018	inner	673		P1	31	29	0	672
2019	outer		1346	P1	30	30	0	2028
2017	outer		1345	P1	32	31	0	2027
2016	inner		1344	P1	33	32	0	2026
2014	inner	672		P1	35	33	0	671
2015	outer		1343	P1	34	34	0	2025
2013	outer		1342	P1	36	35	0	2024
2012	inner	671		P1	37	36	0	670
2010	inner		1340	P1	39	37	0	2022
2011	outer		1341	P1	38	38	0	2023
2009	outer		1339	P1	40	39	0	2021
2008	inner	670		P1	41	40	0	669
2006	inner	669		P1	43	41	0	668
2007	outer		1338	P1	42	42	0	2020

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
2005	outer		1337	P1	44	43	0	2019
2004	inner		1336	P1	45	44	0	2018
2002	inner	668		P1	47	45	0	667
2003	outer		1335	P1	46	46	0	2017
2001	outer		1334	P1	48	47	0	2016
2000	inner	667		P1	49	48	0	666
1998	inner		1332	P1	51	49	0	2014
1999	outer		1333	P1	50	50	0	2015
1997	outer		1331	P1	52	51	0	2013
1996	inner	666		P1	53	52	0	665
1994	inner	665		P1	55	53	0	664
1995	outer		1330	P1	54	54	0	2012
1993	outer		1329	P1	56	55	0	2011
1992	inner		1328	P1	57	56	0	2010
1990	inner	664		P1	59	57	0	663
1991	outer		1327	P1	58	58	0	2009
1989	outer		1326	P1	60	59	0	2008
1988	inner	663		P1	61	60	0	662
1986	inner		1324	P1	63	61	0	2006
1987	outer		1325	P1	62	62	0	2007
1985	outer		1323	P1	64	63	0	2005
1984	inner	662		P1	65	64	0	661
1982	inner	661		P1	67	65	0	660
1983	outer		1322	P1	66	66	0	2004
1981	outer		1321	P1	68	67	0	2003
1980	inner		1320	P1	69	68	0	2002
1978	inner	660		P1	71	69	0	659
1979	outer		1319	P1	70	70	0	2001
1977	outer		1318	P1	72	71	0	2000
1976	inner	659		P1	73	72	0	658
1974	inner		1316	P1	75	73	0	1998
1975	outer		1317	P1	74	74	0	1999
1973	outer		1315	P1	76	75	0	1997
1972	inner	658		P1	77	76	0	657
1970	inner	657		P1	79	77	0	656
1971	outer		1314	P1	78	78	0	1996
1969	outer		1313	P1	80	79	0	1995
1968	inner		1312	P1	81	80	0	1994
1966	inner	656		P1	83	81	0	655
1967	outer		1311	P1	82	82	0	1993
1965	outer		1310	P1	84	83	0	1992
1964	inner	655		P1	85	84	0	654
1962	inner		1308	P1	87	85	0	1990

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA- pad	Cha nnel	Chip	s/w Strip
1963	outer		1309	P1	86	86	0	1991
1961	outer		1307	P1	88	87	0	1989
1960	inner	654		P1	89	88	0	653
1958	inner	653		P1	91	89	0	652
1959	outer		1306	P1	90	90	0	1988
1957	outer		1305	P1	92	91	0	1987
1956	inner		1304	P1	93	92	0	1986
1954	inner	652		P1	95	93	0	651
1955	outer		1303	P1	94	94	0	1985
1953	outer		1302	P1	96	95	0	1984
1952	inner	651		P1	97	96	0	650
1950	inner		1300	P1	99	97	0	1982
1951	outer		1301	P1	98	98	0	1983
1949	outer		1299	P1	100	99	0	1981
1948	inner	650		P1	101	100	0	649
1946	inner	649		P1	103	101	0	648
1947	outer		1298	P1	102	102	0	1980
1945	outer		1297	P1	104	103	0	1979
1944	inner		1296	P1	105	104	0	1978
1942	inner	648		P1	107	105	0	647
1943	outer		1295	P1	106	106	0	1977
1941	outer		1294	P1	108	107	0	1976
1940	inner	647		P1	109	108	0	646
1938	inner		1292	P1	111	109	0	1974
1939	outer		1293	P1	110	110	0	1975
1937	outer		1291	P1	112	111	0	1973
1936	inner	646		P1	113	112	0	645
1934	inner	645		P1	115	113	0	644
1935	outer		1290	P1	114	114	0	1972
1933	outer		1289	P1	116	115	0	1971
1932	inner		1288	P1	117	116	0	1970
1930	inner	644		P1	119	117	0	643
1931	outer		1287	P1	118	118	0	1969
1929	outer		1286	P1	120	119	0	1968
1928	inner	643		P1	121	120	0	642
1926	inner		1284	P1	123	121	0	1966
1927	outer		1285	P1	122	122	0	1967
1925	outer		1283	P1	124	123	0	1965
1924	inner	642		P1	125	124	0	641
1922	inner	641		P1	127	125	0	640
1923	outer		1282	P1	126	126	0	1964
1921	outer		1281	P1	128	127	0	1963
1920	inner		1280	P1	129	0	1	1962
1918	inner	640		P1	131	1	1	639
1919	outer		1279	P1	130	2	1	1961
1917	outer		1278	P1	132	3	1	1960
1916	inner	639		P1	133	4	1	638

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA- pad	Cha nnel	Chip	s/w Strip
1914	inner		1276	P1	135	5	1	1958
1915	outer		1277	P1	134	6	1	1959
1913	outer		1275	P1	136	7	1	1957
1912	inner	638		P1	137	8	1	637
1910	inner	637		P1	139	9	1	636
1911	outer		1274	P1	138	10	1	1956
1909	outer		1273	P1	140	11	1	1955
1908	inner		1272	P1	141	12	1	1954
1906	inner	636		P1	143	13	1	635
1907	outer		1271	P1	142	14	1	1953
1905	outer		1270	P1	144	15	1	1952
1904	inner	635		P1	145	16	1	634
1902	inner		1268	P1	147	17	1	1950
1903	outer		1269	P1	146	18	1	1951
1901	outer		1267	P1	148	19	1	1949
1900	inner	634		P1	149	20	1	633
1898	inner	633		P1	151	21	1	632
1899	outer		1266	P1	150	22	1	1948
1897	outer		1265	P1	152	23	1	1947
1896	inner		1264	P1	153	24	1	1946
1894	inner	632		P1	155	25	1	631
1895	outer		1263	P1	154	26	1	1945
1893	outer		1262	P1	156	27	1	1944
1892	inner	631		P1	157	28	1	630
1890	inner		1260	P1	159	29	1	1942
1891	outer		1261	P1	158	30	1	1943
1889	outer		1259	P1	160	31	1	1941
1888	inner	630		P1	161	32	1	629
1886	inner	629		P1	163	33	1	628
1887	outer		1258	P1	162	34	1	1940
1885	outer		1257	P1	164	35	1	1939
1884	inner		1256	P1	165	36	1	1938
1882	inner	628		P1	167	37	1	627
1883	outer		1255	P1	166	38	1	1937
1881	outer		1254	P1	168	39	1	1936
1880	inner	627		P1	169	40	1	626
1878	inner		1252	P1	171	41	1	1934
1879	outer		1253	P1	170	42	1	1935
1877	outer		1251	P1	172	43	1	1933
1876	inner	626		P1	173	44	1	625
1874	inner	625		P1	175	45	1	624
1875	outer		1250	P1	174	46	1	1932
1873	outer		1249	P1	176	47	1	1931
1872	inner		1248	P1	177	48	1	1930
1870	inner	624		P1	179	49	1	623
1871	outer		1247	P1	178	50	1	1929
1869	outer		1246	P1	180	51	1	1928

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1868	inner	623		P1	181	52	1	622
1866	inner		1244	P1	183	53	1	1926
1867	outer		1245	P1	182	54	1	1927
1865	outer		1243	P1	184	55	1	1925
1864	inner	622		P1	185	56	1	621
1862	inner	621		P1	187	57	1	620
1863	outer		1242	P1	186	58	1	1924
1861	outer		1241	P1	188	59	1	1923
1860	inner		1240	P1	189	60	1	1922
1858	inner	620		P1	191	61	1	619
1859	outer		1239	P1	190	62	1	1921
1857	outer		1238	P1	192	63	1	1920
1856	inner	619		P1	193	64	1	618
1854	inner		1236	P1	195	65	1	1918
1855	outer		1237	P1	194	66	1	1919
1853	outer		1235	P1	196	67	1	1917
1852	inner	618		P1	197	68	1	617
1850	inner	617		P1	199	69	1	616
1851	outer		1234	P1	198	70	1	1916
1849	outer		1233	P1	200	71	1	1915
1848	inner		1232	P1	201	72	1	1914
1846	inner	616		P1	203	73	1	615
1847	outer		1231	P1	202	74	1	1913
1845	outer		1230	P1	204	75	1	1912
1844	inner	615		P1	205	76	1	614
1842	inner		1228	P1	207	77	1	1910
1843	outer		1229	P1	206	78	1	1911
1841	outer		1227	P1	208	79	1	1909
1840	inner	614		P1	209	80	1	613
1838	inner	613		P1	211	81	1	612
1839	outer		1226	P1	210	82	1	1908
1837	outer		1225	P1	212	83	1	1907
1836	inner		1224	P1	213	84	1	1906
1834	inner	612		P1	215	85	1	611
1835	outer		1223	P1	214	86	1	1905
1833	outer		1222	P1	216	87	1	1904
1832	inner	611		P1	217	88	1	610
1830	inner		1220	P1	219	89	1	1902
1831	outer		1221	P1	218	90	1	1903
1829	outer		1219	P1	220	91	1	1901
1828	inner	610		P1	221	92	1	609
1826	inner	609		P1	223	93	1	608
1827	outer		1218	P1	222	94	1	1900
1825	outer		1217	P1	224	95	1	1899
1824	inner		1216	P1	225	96	1	1898
1822	inner	608		P1	227	97	1	607
1823	outer		1215	P1	226	98	1	1897

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1821	outer		1214	P1	228	99	1	1896
1820	inner	607		P1	229	100	1	606
1818	inner		1212	P1	231	101	1	1894
1819	outer		1213	P1	230	102	1	1895
1817	outer		1211	P1	232	103	1	1893
1816	inner	606		P1	233	104	1	605
1814	inner	605		P1	235	105	1	604
1815	outer		1210	P1	234	106	1	1892
1813	outer		1209	P1	236	107	1	1891
1812	inner		1208	P1	237	108	1	1890
1810	inner	604		P1	239	109	1	603
1811	outer		1207	P1	238	110	1	1889
1809	outer		1206	P1	240	111	1	1888
1808	inner	603		P1	241	112	1	602
1806	inner		1204	P1	243	113	1	1886
1807	outer		1205	P1	242	114	1	1887
1805	outer		1203	P1	244	115	1	1885
1804	inner	602		P1	245	116	1	601
1802	inner	601		P1	247	117	1	600
1803	outer		1202	P1	246	118	1	1884
1801	outer		1201	P1	248	119	1	1883
1800	inner		1200	P1	249	120	1	1882
1798	inner	600		P1	251	121	1	599
1799	outer		1199	P1	250	122	1	1881
1797	outer		1198	P1	252	123	1	1880
1796	inner	599		P1	253	124	1	598
1794	inner		1196	P1	255	125	1	1878
1795	outer		1197	P1	254	126	1	1879
1793	outer		1195	P1	256	127	1	1877
1792	inner	598		P1	257	0	2	597
1790	inner	597		P1	259	1	2	596
1791	outer		1194	P1	258	2	2	1876
1789	outer		1193	P1	260	3	2	1875
1788	inner		1192	P1	261	4	2	1874
1786	inner	596		P1	263	5	2	595
1787	outer		1191	P1	262	6	2	1873
1785	outer		1190	P1	264	7	2	1872
1784	inner	595		P1	265	8	2	594
1782	inner		1188	P1	267	9	2	1870
1783	outer		1189	P1	266	10	2	1871
1781	outer		1187	P1	268	11	2	1869
1780	inner	594		P1	269	12	2	593
1778	inner	593		P1	271	13	2	592
1779	outer		1186	P1	270	14	2	1868
1777	outer		1185	P1	272	15	2	1867
1776	inner		1184	P1	273	16	2	1866
1774	inner	592		P1	275	17	2	591

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1775	outer		1183	P1	274	18	2	1865
1773	outer		1182	P1	276	19	2	1864
1772	inner	591		P1	277	20	2	590
1770	inner		1180	P1	279	21	2	1862
1771	outer		1181	P1	278	22	2	1863
1769	outer		1179	P1	280	23	2	1861
1768	inner	590		P1	281	24	2	589
1766	inner	589		P1	283	25	2	588
1767	outer		1178	P1	282	26	2	1860
1765	outer		1177	P1	284	27	2	1859
1764	inner		1176	P1	285	28	2	1858
1762	inner	588		P1	287	29	2	587
1763	outer		1175	P1	286	30	2	1857
1761	outer		1174	P1	288	31	2	1856
1760	inner	587		P1	289	32	2	586
1758	inner		1172	P1	291	33	2	1854
1759	outer		1173	P1	290	34	2	1855
1757	outer		1171	P1	292	35	2	1853
1756	inner	586		P1	293	36	2	585
1754	inner	585		P1	295	37	2	584
1755	outer		1170	P1	294	38	2	1852
1753	outer		1169	P1	296	39	2	1851
1752	inner		1168	P1	297	40	2	1850
1750	inner	584		P1	299	41	2	583
1751	outer		1167	P1	298	42	2	1849
1749	outer		1166	P1	300	43	2	1848
1748	inner	583		P1	301	44	2	582
1746	inner		1164	P1	303	45	2	1846
1747	outer		1165	P1	302	46	2	1847
1745	outer		1163	P1	304	47	2	1845
1744	inner	582		P1	305	48	2	581
1742	inner	581		P1	307	49	2	580
1743	outer		1162	P1	306	50	2	1844
1741	outer		1161	P1	308	51	2	1843
1740	inner		1160	P1	309	52	2	1842
1738	inner	580		P1	311	53	2	579
1739	outer		1159	P1	310	54	2	1841
1737	outer		1158	P1	312	55	2	1840
1736	inner	579		P1	313	56	2	578
1734	inner		1156	P1	315	57	2	1838
1735	outer		1157	P1	314	58	2	1839
1733	outer		1155	P1	316	59	2	1837
1732	inner	578		P1	317	60	2	577
1730	inner	577		P1	319	61	2	576
1731	outer		1154	P1	318	62	2	1836
1729	outer		1153	P1	320	63	2	1835
1728	inner		1152	P1	321	64	2	1834

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1726	inner	576		P1	323	65	2	575
1727	outer		1151	P1	322	66	2	1833
1725	outer		1150	P1	324	67	2	1832
1724	inner	575		P1	325	68	2	574
1722	inner		1148	P1	327	69	2	1830
1723	outer		1149	P1	326	70	2	1831
1721	outer		1147	P1	328	71	2	1829
1720	inner	574		P1	329	72	2	573
1718	inner	573		P1	331	73	2	572
1719	outer		1146	P1	330	74	2	1828
1717	outer		1145	P1	332	75	2	1827
1716	inner		1144	P1	333	76	2	1826
1714	inner	572		P1	335	77	2	571
1715	outer		1143	P1	334	78	2	1825
1713	outer		1142	P1	336	79	2	1824
1712	inner	571		P1	337	80	2	570
1710	inner		1140	P1	339	81	2	1822
1711	outer		1141	P1	338	82	2	1823
1709	outer		1139	P1	340	83	2	1821
1708	inner	570		P1	341	84	2	569
1706	inner	569		P1	343	85	2	568
1707	outer		1138	P1	342	86	2	1820
1705	outer		1137	P1	344	87	2	1819
1704	inner		1136	P1	345	88	2	1818
1702	inner	568		P1	347	89	2	567
1703	outer		1135	P1	346	90	2	1817
1701	outer		1134	P1	348	91	2	1816
1700	inner	567		P1	349	92	2	566
1698	inner		1132	P1	351	93	2	1814
1699	outer		1133	P1	350	94	2	1815
1697	outer		1131	P1	352	95	2	1813
1696	inner	566		P1	353	96	2	565
1694	inner	565		P1	355	97	2	564
1695	outer		1130	P1	354	98	2	1812
1693	outer		1129	P1	356	99	2	1811
1692	inner		1128	P1	357	100	2	1810
1690	inner	564		P1	359	101	2	563
1691	outer		1127	P1	358	102	2	1809
1689	outer		1126	P1	360	103	2	1808
1688	inner	563		P1	361	104	2	562
1686	inner		1124	P1	363	105	2	1806
1687	outer		1125	P1	362	106	2	1807
1685	outer		1123	P1	364	107	2	1805
1684	inner	562		P1	365	108	2	561
1682	inner	561		P1	367	109	2	560
1683	outer		1122	P1	366	110	2	1804
1681	outer		1121	P1	368	111	2	1803

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA- pad	Cha nnel	Chip	s/w Strip
1680	inner		1120	P1	369	112	2	1802
1678	inner	560		P1	371	113	2	559
1679	outer		1119	P1	370	114	2	1801
1677	outer		1118	P1	372	115	2	1800
1676	inner	559		P1	373	116	2	558
1674	inner		1116	P1	375	117	2	1798
1675	outer		1117	P1	374	118	2	1799
1673	outer		1115	P1	376	119	2	1797
1672	inner	558		P1	377	120	2	557
1670	inner	557		P1	379	121	2	556
1671	outer		1114	P1	378	122	2	1796
1669	outer		1113	P1	380	123	2	1795
1668	inner		1112	P1	381	124	2	1794
1666	inner	556		P1	383	125	2	555
1667	outer		1111	P1	382	126	2	1793
1665	outer		1110	P1	384	127	2	1792
1664	inner	555		P1	385	0	3	554
1662	inner		1108	P1	387	1	3	1790
1663	outer		1109	P1	386	2	3	1791
1661	outer		1107	P1	388	3	3	1789
1660	inner	554		P1	389	4	3	553
1658	inner	553		P1	391	5	3	552
1659	outer		1106	P1	390	6	3	1788
1657	outer		1105	P1	392	7	3	1787
1656	inner		1104	P1	393	8	3	1786
1654	inner	552		P1	395	9	3	551
1655	outer		1103	P1	394	10	3	1785
1653	outer		1102	P1	396	11	3	1784
1652	inner	551		P1	397	12	3	550
1650	inner		1100	P1	399	13	3	1782
1651	outer		1101	P1	398	14	3	1783
1649	outer		1099	P1	400	15	3	1781
1648	inner	550		P1	401	16	3	549
1646	inner	549		P1	403	17	3	548
1647	outer		1098	P1	402	18	3	1780
1645	outer		1097	P1	404	19	3	1779
1644	inner		1096	P1	405	20	3	1778
1642	inner	548		P1	407	21	3	547
1643	outer		1095	P1	406	22	3	1777
1641	outer		1094	P1	408	23	3	1776
1640	inner	547		P1	409	24	3	546
1638	inner		1092	P1	411	25	3	1774
1639	outer		1093	P1	410	26	3	1775
1637	outer		1091	P1	412	27	3	1773
1636	inner	546		P1	413	28	3	545
1634	inner	545		P1	415	29	3	544
1635	outer		1090	P1	414	30	3	1772

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA- pad	Cha nnel	Chip	s/w Strip
1633	outer		1089	P1	416	31	3	1771
1632	inner		1088	P1	417	32	3	1770
1630	inner	544		P1	419	33	3	543
1631	outer		1087	P1	418	34	3	1769
1629	outer		1086	P1	420	35	3	1768
1628	inner	543		P1	421	36	3	542
1626	inner		1084	P1	423	37	3	1766
1627	outer		1085	P1	422	38	3	1767
1625	outer		1083	P1	424	39	3	1765
1624	inner	542		P1	425	40	3	541
1622	inner	541		P1	427	41	3	540
1623	outer		1082	P1	426	42	3	1764
1621	outer		1081	P1	428	43	3	1763
1620	inner		1080	P1	429	44	3	1762
1618	inner	540		P1	431	45	3	539
1619	outer		1079	P1	430	46	3	1761
1617	outer		1078	P1	432	47	3	1760
1616	inner	539		P1	433	48	3	538
1614	inner		1076	P1	435	49	3	1758
1615	outer		1077	P1	434	50	3	1759
1613	outer		1075	P1	436	51	3	1757
1612	inner	538		P1	437	52	3	537
1610	inner	537		P1	439	53	3	536
1611	outer		1074	P1	438	54	3	1756
1609	outer		1073	P1	440	55	3	1755
1608	inner		1072	P1	441	56	3	1754
1606	inner	536		P1	443	57	3	535
1607	outer		1071	P1	442	58	3	1753
1605	outer		1070	P1	444	59	3	1752
1604	inner	535		P1	445	60	3	534
1602	inner		1068	P1	447	61	3	1750
1603	outer		1069	P1	446	62	3	1751
1601	outer		1067	P1	448	63	3	1749
1600	inner	534		P1	449	64	3	533
1598	inner	533		P1	451	65	3	532
1599	outer		1066	P1	450	66	3	1748
1597	outer		1065	P1	452	67	3	1747
1596	inner		1064	P1	453	68	3	1746
1594	inner	532		P1	455	69	3	531
1595	outer		1063	P1	454	70	3	1745
1593	outer		1062	P1	456	71	3	1744
1592	inner	531		P1	457	72	3	530
1590	inner		1060	P1	459	73	3	1742
1591	outer		1061	P1	458	74	3	1743
1589	outer		1059	P1	460	75	3	1741
1588	inner	530		P1	461	76	3	529
1586	inner	529		P1	463	77	3	528

Sen sor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1587	outer		1058	P1	462	78	3	1740
1585	outer		1057	P1	464	79	3	1739
1584	inner		1056	P1	465	80	3	1738
1582	inner	528		P1	467	81	3	527
1583	outer		1055	P1	466	82	3	1737
1581	outer		1054	P1	468	83	3	1736
1580	inner	527		P1	469	84	3	526
1578	inner		1052	P1	471	85	3	1734
1579	outer		1053	P1	470	86	3	1735
1577	outer		1051	P1	472	87	3	1733
1576	inner	526		P1	473	88	3	525
1574	inner	525		P1	475	89	3	524
1575	outer		1050	P1	474	90	3	1732
1573	outer		1049	P1	476	91	3	1731
1572	inner		1048	P1	477	92	3	1730
1570	inner	524		P1	479	93	3	523
1571	outer		1047	P1	478	94	3	1729
1569	outer		1046	P1	480	95	3	1728
1568	inner	523		P1	481	96	3	522
1566	inner		1044	P1	483	97	3	1726
1567	outer		1045	P1	482	98	3	1727
1565	outer		1043	P1	484	99	3	1725
1564	inner	522		P1	485	100	3	521
1562	inner	521		P1	487	101	3	520
1563	outer		1042	P1	486	102	3	1724
1561	outer		1041	P1	488	103	3	1723
1560	inner		1040	P1	489	104	3	1722
1558	inner	520		P1	491	105	3	519
1559	outer		1039	P1	490	106	3	1721
1557	outer		1038	P1	492	107	3	1720
1556	inner	519		P1	493	108	3	518
1554	inner		1036	P1	495	109	3	1718
1555	outer		1037	P1	494	110	3	1719
1553	outer		1035	P1	496	111	3	1717
1552	inner	518		P1	497	112	3	517
1550	inner	517		P1	499	113	3	516
1551	outer		1034	P1	498	114	3	1716
1549	outer		1033	P1	500	115	3	1715
1548	inner		1032	P1	501	116	3	1714
1546	inner	516		P1	503	117	3	515
1547	outer		1031	P1	502	118	3	1713
1545	outer		1030	P1	504	119	3	1712
1544	inner	515		P1	505	120	3	514
1542	inner		1028	P1	507	121	3	1710
1543	outer		1029	P1	506	122	3	1711
1541	outer		1027	P1	508	123	3	1709
1540	inner	514		P1	509	124	3	513

Sen sor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1538	inner	513		P1	511	125	3	512
1539	outer		1026	P1	510	126	3	1708
1537	outer		1025	P1	512	127	3	1707
1536	inner		1024	P2	1	0	4	1706
1534	inner	512		P2	3	1	4	511
1535	outer		1023	P2	2	2	4	1705
1533	outer		1022	P2	4	3	4	1704
1532	inner	511		P2	5	4	4	510
1530	inner		1020	P2	7	5	4	1702
1531	outer		1021	P2	6	6	4	1703
1529	outer		1019	P2	8	7	4	1701
1528	inner	510		P2	9	8	4	509
1526	inner	509		P2	11	9	4	508
1527	outer		1018	P2	10	10	4	1700
1525	outer		1017	P2	12	11	4	1699
1524	inner		1016	P2	13	12	4	1698
1522	inner	508		P2	15	13	4	507
1523	outer		1015	P2	14	14	4	1697
1521	outer		1014	P2	16	15	4	1696
1520	inner	507		P2	17	16	4	506
1518	inner		1012	P2	19	17	4	1694
1519	outer		1013	P2	18	18	4	1695
1517	outer		1011	P2	20	19	4	1693
1516	inner	506		P2	21	20	4	505
1514	inner	505		P2	23	21	4	504
1515	outer		1010	P2	22	22	4	1692
1513	outer		1009	P2	24	23	4	1691
1512	inner		1008	P2	25	24	4	1690
1510	inner	504		P2	27	25	4	503
1511	outer		1007	P2	26	26	4	1689
1509	outer		1006	P2	28	27	4	1688
1508	inner	503		P2	29	28	4	502
1506	inner		1004	P2	31	29	4	1686
1507	outer		1005	P2	30	30	4	1687
1505	outer		1003	P2	32	31	4	1685
1504	inner	502		P2	33	32	4	501
1502	inner	501		P2	35	33	4	500
1503	outer		1002	P2	34	34	4	1684
1501	outer		1001	P2	36	35	4	1683
1500	inner		1000	P2	37	36	4	1682
1498	inner	500		P2	39	37	4	499
1499	outer		999	P2	38	38	4	1681
1497	outer		998	P2	40	39	4	1680
1496	inner	499		P2	41	40	4	498
1494	inner		996	P2	43	41	4	1678
1495	outer		997	P2	42	42	4	1679
1493	outer		995	P2	44	43	4	1677

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1492	inner	498		P2	45	44	4	497
1490	inner	497		P2	47	45	4	496
1491	outer		994	P2	46	46	4	1676
1489	outer		993	P2	48	47	4	1675
1488	inner		992	P2	49	48	4	1674
1486	inner	496		P2	51	49	4	495
1487	outer		991	P2	50	50	4	1673
1485	outer		990	P2	52	51	4	1672
1484	inner	495		P2	53	52	4	494
1482	inner		988	P2	55	53	4	1670
1483	outer		989	P2	54	54	4	1671
1481	outer		987	P2	56	55	4	1669
1480	inner	494		P2	57	56	4	493
1478	inner	493		P2	59	57	4	492
1479	outer		986	P2	58	58	4	1668
1477	outer		985	P2	60	59	4	1667
1476	inner		984	P2	61	60	4	1666
1474	inner	492		P2	63	61	4	491
1475	outer		983	P2	62	62	4	1665
1473	outer		982	P2	64	63	4	1664
1472	inner	491		P2	65	64	4	490
1470	inner		980	P2	67	65	4	1662
1471	outer		981	P2	66	66	4	1663
1469	outer		979	P2	68	67	4	1661
1468	inner	490		P2	69	68	4	489
1466	inner	489		P2	71	69	4	488
1467	outer		978	P2	70	70	4	1660
1465	outer		977	P2	72	71	4	1659
1464	inner		976	P2	73	72	4	1658
1462	inner	488		P2	75	73	4	487
1463	outer		975	P2	74	74	4	1657
1461	outer		974	P2	76	75	4	1656
1460	inner	487		P2	77	76	4	486
1458	inner		972	P2	79	77	4	1654
1459	outer		973	P2	78	78	4	1655
1457	outer		971	P2	80	79	4	1653
1456	inner	486		P2	81	80	4	485
1454	inner	485		P2	83	81	4	484
1455	outer		970	P2	82	82	4	1652
1453	outer		969	P2	84	83	4	1651
1452	inner		968	P2	85	84	4	1650
1450	inner	484		P2	87	85	4	483
1451	outer		967	P2	86	86	4	1649
1449	outer		966	P2	88	87	4	1648
1448	inner	483		P2	89	88	4	482
1446	inner		964	P2	91	89	4	1646
1447	outer		965	P2	90	90	4	1647

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1445	outer		963	P2	92	91	4	1645
1444	inner	482		P2	93	92	4	481
1442	inner	481		P2	95	93	4	480
1443	outer		962	P2	94	94	4	1644
1441	outer		961	P2	96	95	4	1643
1440	inner		960	P2	97	96	4	1642
1438	inner	480		P2	99	97	4	479
1439	outer		959	P2	98	98	4	1641
1437	outer		958	P2	100	99	4	1640
1436	inner	479		P2	101	100	4	478
1434	inner		956	P2	103	101	4	1638
1435	outer		957	P2	102	102	4	1639
1433	outer		955	P2	104	103	4	1637
1432	inner	478		P2	105	104	4	477
1430	inner	477		P2	107	105	4	476
1431	outer		954	P2	106	106	4	1636
1429	outer		953	P2	108	107	4	1635
1428	inner		952	P2	109	108	4	1634
1426	inner	476		P2	111	109	4	475
1427	outer		951	P2	110	110	4	1633
1425	outer		950	P2	112	111	4	1632
1424	inner	475		P2	113	112	4	474
1422	inner		948	P2	115	113	4	1630
1423	outer		949	P2	114	114	4	1631
1421	outer		947	P2	116	115	4	1629
1420	inner	474		P2	117	116	4	473
1418	inner	473		P2	119	117	4	472
1419	outer		946	P2	118	118	4	1628
1417	outer		945	P2	120	119	4	1627
1416	inner		944	P2	121	120	4	1626
1414	inner	472		P2	123	121	4	471
1415	outer		943	P2	122	122	4	1625
1413	outer		942	P2	124	123	4	1624
1412	inner	471		P2	125	124	4	470
1410	inner		940	P2	127	125	4	1622
1411	outer		941	P2	126	126	4	1623
1409	outer		939	P2	128	127	4	1621
1408	inner	470		P2	129	0	5	469
1406	inner	469		P2	131	1	5	468
1407	outer		938	P2	130	2	5	1620
1405	outer		937	P2	132	3	5	1619
1404	inner		936	P2	133	4	5	1618
1402	inner	468		P2	135	5	5	467
1403	outer		935	P2	134	6	5	1617
1401	outer		934	P2	136	7	5	1616
1400	inner	467		P2	137	8	5	466
1398	inner		932	P2	139	9	5	1614

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1399	outer		933	P2	138	10	5	1615
1397	outer		931	P2	140	11	5	1613
1396	inner	466		P2	141	12	5	465
1394	inner	465		P2	143	13	5	464
1395	outer		930	P2	142	14	5	1612
1393	outer		929	P2	144	15	5	1611
1392	inner		928	P2	145	16	5	1610
1390	inner	464		P2	147	17	5	463
1391	outer		927	P2	146	18	5	1609
1389	outer		926	P2	148	19	5	1608
1388	inner	463		P2	149	20	5	462
1386	inner		924	P2	151	21	5	1606
1387	outer		925	P2	150	22	5	1607
1385	outer		923	P2	152	23	5	1605
1384	inner	462		P2	153	24	5	461
1382	inner	461		P2	155	25	5	460
1383	outer		922	P2	154	26	5	1604
1381	outer		921	P2	156	27	5	1603
1380	inner		920	P2	157	28	5	1602
1378	inner	460		P2	159	29	5	459
1379	outer		919	P2	158	30	5	1601
1377	outer		918	P2	160	31	5	1600
1376	inner	459		P2	161	32	5	458
1374	inner		916	P2	163	33	5	1598
1375	outer		917	P2	162	34	5	1599
1373	outer		915	P2	164	35	5	1597
1372	inner	458		P2	165	36	5	457
1370	inner	457		P2	167	37	5	456
1371	outer		914	P2	166	38	5	1596
1369	outer		913	P2	168	39	5	1595
1368	inner		912	P2	169	40	5	1594
1366	inner	456		P2	171	41	5	455
1367	outer		911	P2	170	42	5	1593
1365	outer		910	P2	172	43	5	1592
1364	inner	455		P2	173	44	5	454
1362	inner		908	P2	175	45	5	1590
1363	outer		909	P2	174	46	5	1591
1361	outer		907	P2	176	47	5	1589
1360	inner	454		P2	177	48	5	453
1358	inner	453		P2	179	49	5	452
1359	outer		906	P2	178	50	5	1588
1357	outer		905	P2	180	51	5	1587
1356	inner		904	P2	181	52	5	1586
1354	inner	452		P2	183	53	5	451
1355	outer		903	P2	182	54	5	1585
1353	outer		902	P2	184	55	5	1584
1352	inner	451		P2	185	56	5	450

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1350	inner		900	P2	187	57	5	1582
1351	outer		901	P2	186	58	5	1583
1349	outer		899	P2	188	59	5	1581
1348	inner	450		P2	189	60	5	449
1346	inner	449		P2	191	61	5	448
1347	outer		898	P2	190	62	5	1580
1345	outer		897	P2	192	63	5	1579
1344	inner		896	P2	193	64	5	1578
1342	inner	448		P2	195	65	5	447
1343	outer		895	P2	194	66	5	1577
1341	outer		894	P2	196	67	5	1576
1340	inner	447		P2	197	68	5	446
1338	inner		892	P2	199	69	5	1574
1339	outer		893	P2	198	70	5	1575
1337	outer		891	P2	200	71	5	1573
1336	inner	446		P2	201	72	5	445
1334	inner	445		P2	203	73	5	444
1335	outer		890	P2	202	74	5	1572
1333	outer		889	P2	204	75	5	1571
1332	inner		888	P2	205	76	5	1570
1330	inner	444		P2	207	77	5	443
1331	outer		887	P2	206	78	5	1569
1329	outer		886	P2	208	79	5	1568
1328	inner	443		P2	209	80	5	442
1326	inner		884	P2	211	81	5	1566
1327	outer		885	P2	210	82	5	1567
1325	outer		883	P2	212	83	5	1565
1324	inner	442		P2	213	84	5	441
1322	inner	441		P2	215	85	5	440
1323	outer		882	P2	214	86	5	1564
1321	outer		881	P2	216	87	5	1563
1320	inner		880	P2	217	88	5	1562
1318	inner	440		P2	219	89	5	439
1319	outer		879	P2	218	90	5	1561
1317	outer		878	P2	220	91	5	1560
1316	inner	439		P2	221	92	5	438
1314	inner		876	P2	223	93	5	1558
1315	outer		877	P2	222	94	5	1559
1313	outer		875	P2	224	95	5	1557
1312	inner	438		P2	225	96	5	437
1310	inner	437		P2	227	97	5	436
1311	outer		874	P2	226	98	5	1556
1309	outer		873	P2	228	99	5	1555
1308	inner		872	P2	229	100	5	1554
1306	inner	436		P2	231	101	5	435
1307	outer		871	P2	230	102	5	1553
1305	outer		870	P2	232	103	5	1552

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Cha nnel	Chip	s/w Strip
1304	inner	435		P2	233	104	5	434
1302	inner		868	P2	235	105	5	1550
1303	outer		869	P2	234	106	5	1551
1301	outer		867	P2	236	107	5	1549
1300	inner	434		P2	237	108	5	433
1298	inner	433		P2	239	109	5	432
1299	outer		866	P2	238	110	5	1548
1297	outer		865	P2	240	111	5	1547
1296	inner		864	P2	241	112	5	1546
1294	inner	432		P2	243	113	5	431
1295	outer		863	P2	242	114	5	1545
1293	outer		862	P2	244	115	5	1544
1292	inner	431		P2	245	116	5	430
1290	inner		860	P2	247	117	5	1542
1291	outer		861	P2	246	118	5	1543
1289	outer		859	P2	248	119	5	1541
1288	inner	430		P2	249	120	5	429
1286	inner	429		P2	251	121	5	428
1287	outer		858	P2	250	122	5	1540
1285	outer		857	P2	252	123	5	1539
1284	inner		856	P2	253	124	5	1538
1282	inner	428		P2	255	125	5	427
1283	outer		855	P2	254	126	5	1537
1281	outer		854	P2	256	127	5	1536
1280	inner	427		P2	257	0	6	426
1278	inner		852	P2	259	1	6	1534
1279	outer		853	P2	258	2	6	1535
1277	outer		851	P2	260	3	6	1533
1276	inner	426		P2	261	4	6	425
1274	inner	425		P2	263	5	6	424
1275	outer		850	P2	262	6	6	1532
1273	outer		849	P2	264	7	6	1531
1272	inner		848	P2	265	8	6	1530
1270	inner	424		P2	267	9	6	423
1271	outer		847	P2	266	10	6	1529
1269	outer		846	P2	268	11	6	1528
1268	inner	423		P2	269	12	6	422
1266	inner		844	P2	271	13	6	1526
1267	outer		845	P2	270	14	6	1527
1265	outer		843	P2	272	15	6	1525
1264	inner	422		P2	273	16	6	421
1262	inner	421		P2	275	17	6	420
1263	outer		842	P2	274	18	6	1524
1261	outer		841	P2	276	19	6	1523
1260	inner		840	P2	277	20	6	1522
1258	inner	420		P2	279	21	6	419
1259	outer		839	P2	278	22	6	1521

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Cha nnel	Chip	s/w Strip
1257	outer		838	P2	280	23	6	1520
1256	inner	419		P2	281	24	6	418
1254	inner		836	P2	283	25	6	1518
1255	outer		837	P2	282	26	6	1519
1253	outer		835	P2	284	27	6	1517
1252	inner	418		P2	285	28	6	417
1250	inner	417		P2	287	29	6	416
1251	outer		834	P2	286	30	6	1516
1249	outer		833	P2	288	31	6	1515
1248	inner		832	P2	289	32	6	1514
1246	inner	416		P2	291	33	6	415
1247	outer		831	P2	290	34	6	1513
1245	outer		830	P2	292	35	6	1512
1244	inner	415		P2	293	36	6	414
1242	inner		828	P2	295	37	6	1510
1243	outer		829	P2	294	38	6	1511
1241	outer		827	P2	296	39	6	1509
1240	inner	414		P2	297	40	6	413
1238	inner	413		P2	299	41	6	412
1239	outer		826	P2	298	42	6	1508
1237	outer		825	P2	300	43	6	1507
1236	inner		824	P2	301	44	6	1506
1234	inner	412		P2	303	45	6	411
1235	outer		823	P2	302	46	6	1505
1233	outer		822	P2	304	47	6	1504
1232	inner	411		P2	305	48	6	410
1230	inner		820	P2	307	49	6	1502
1231	outer		821	P2	306	50	6	1503
1229	outer		819	P2	308	51	6	1501
1228	inner	410		P2	309	52	6	409
1226	inner	409		P2	311	53	6	408
1227	outer		818	P2	310	54	6	1500
1225	outer		817	P2	312	55	6	1499
1224	inner		816	P2	313	56	6	1498
1222	inner	408		P2	315	57	6	407
1223	outer		815	P2	314	58	6	1497
1221	outer		814	P2	316	59	6	1496
1220	inner	407		P2	317	60	6	406
1218	inner		812	P2	319	61	6	1494
1219	outer		813	P2	318	62	6	1495
1217	outer		811	P2	320	63	6	1493
1216	inner	406		P2	321	64	6	405
1214	inner	405		P2	323	65	6	404
1215	outer		810	P2	322	66	6	1492
1213	outer		809	P2	324	67	6	1491
1212	inner		808	P2	325	68	6	1490
1210	inner	404		P2	327	69	6	403

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1211	outer		807	P2	326	70	6	1489
1209	outer		806	P2	328	71	6	1488
1208	inner	403		P2	329	72	6	402
1206	inner		804	P2	331	73	6	1486
1207	outer		805	P2	330	74	6	1487
1205	outer		803	P2	332	75	6	1485
1204	inner	402		P2	333	76	6	401
1202	inner	401		P2	335	77	6	400
1203	outer		802	P2	334	78	6	1484
1201	outer		801	P2	336	79	6	1483
1200	inner		800	P2	337	80	6	1482
1198	inner	400		P2	339	81	6	399
1199	outer		799	P2	338	82	6	1481
1197	outer		798	P2	340	83	6	1480
1196	inner	399		P2	341	84	6	398
1194	inner		796	P2	343	85	6	1478
1195	outer		797	P2	342	86	6	1479
1193	outer		795	P2	344	87	6	1477
1192	inner	398		P2	345	88	6	397
1190	inner	397		P2	347	89	6	396
1191	outer		794	P2	346	90	6	1476
1189	outer		793	P2	348	91	6	1475
1188	inner		792	P2	349	92	6	1474
1186	inner	396		P2	351	93	6	395
1187	outer		791	P2	350	94	6	1473
1185	outer		790	P2	352	95	6	1472
1184	inner	395		P2	353	96	6	394
1182	inner		788	P2	355	97	6	1470
1183	outer		789	P2	354	98	6	1471
1181	outer		787	P2	356	99	6	1469
1180	inner	394		P2	357	100	6	393
1178	inner	393		P2	359	101	6	392
1179	outer		786	P2	358	102	6	1468
1177	outer		785	P2	360	103	6	1467
1176	inner		784	P2	361	104	6	1466
1174	inner	392		P2	363	105	6	391
1175	outer		783	P2	362	106	6	1465
1173	outer		782	P2	364	107	6	1464
1172	inner	391		P2	365	108	6	390
1170	inner		780	P2	367	109	6	1462
1171	outer		781	P2	366	110	6	1463
1169	outer		779	P2	368	111	6	1461
1168	inner	390		P2	369	112	6	389
1166	inner	389		P2	371	113	6	388
1167	outer		778	P2	370	114	6	1460
1165	outer		777	P2	372	115	6	1459
1164	inner		776	P2	373	116	6	1458

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1162	inner	388		P2	375	117	6	387
1163	outer		775	P2	374	118	6	1457
1161	outer		774	P2	376	119	6	1456
1160	inner	387		P2	377	120	6	386
1158	inner		772	P2	379	121	6	1454
1159	outer		773	P2	378	122	6	1455
1157	outer		771	P2	380	123	6	1453
1156	inner	386		P2	381	124	6	385
1154	inner	385		P2	383	125	6	384
1155	outer		770	P2	382	126	6	1452
1153	outer		769	P2	384	127	6	1451
1152	inner		768	P2	385	0	7	1450
1150	inner	384		P2	387	1	7	383
1151	outer		767	P2	386	2	7	1449
1149	outer		766	P2	388	3	7	1448
1148	inner	383		P2	389	4	7	382
1146	inner		764	P2	391	5	7	1446
1147	outer		765	P2	390	6	7	1447
1145	outer		763	P2	392	7	7	1445
1144	inner	382		P2	393	8	7	381
1142	inner	381		P2	395	9	7	380
1143	outer		762	P2	394	10	7	1444
1141	outer		761	P2	396	11	7	1443
1140	inner		760	P2	397	12	7	1442
1138	inner	380		P2	399	13	7	379
1139	outer		759	P2	398	14	7	1441
1137	outer		758	P2	400	15	7	1440
1136	inner	379		P2	401	16	7	378
1134	inner		756	P2	403	17	7	1438
1135	outer		757	P2	402	18	7	1439
1133	outer		755	P2	404	19	7	1437
1132	inner	378		P2	405	20	7	377
1130	inner	377		P2	407	21	7	376
1131	outer		754	P2	406	22	7	1436
1129	outer		753	P2	408	23	7	1435
1128	inner		752	P2	409	24	7	1434
1126	inner	376		P2	411	25	7	375
1127	outer		751	P2	410	26	7	1433
1125	outer		750	P2	412	27	7	1432
1124	inner	375		P2	413	28	7	374
1122	inner		748	P2	415	29	7	1430
1123	outer		749	P2	414	30	7	1431
1121	outer		747	P2	416	31	7	1429
1120	inner	374		P2	417	32	7	373
1118	inner	373		P2	419	33	7	372
1119	outer		746	P2	418	34	7	1428
1117	outer		745	P2	420	35	7	1427

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1116	inner		744	P2	421	36	7	1426
1114	inner	372		P2	423	37	7	371
1115	outer		743	P2	422	38	7	1425
1113	outer		742	P2	424	39	7	1424
1112	inner	371		P2	425	40	7	370
1110	inner		740	P2	427	41	7	1422
1111	outer		741	P2	426	42	7	1423
1109	outer		739	P2	428	43	7	1421
1108	inner	370		P2	429	44	7	369
1106	inner	369		P2	431	45	7	368
1107	outer		738	P2	430	46	7	1420
1105	outer		737	P2	432	47	7	1419
1104	inner		736	P2	433	48	7	1418
1102	inner	368		P2	435	49	7	367
1103	outer		735	P2	434	50	7	1417
1101	outer		734	P2	436	51	7	1416
1100	inner	367		P2	437	52	7	366
1098	inner		732	P2	439	53	7	1414
1099	outer		733	P2	438	54	7	1415
1097	outer		731	P2	440	55	7	1413
1096	inner	366		P2	441	56	7	365
1094	inner	365		P2	443	57	7	364
1095	outer		730	P2	442	58	7	1412
1093	outer		729	P2	444	59	7	1411
1092	inner		728	P2	445	60	7	1410
1090	inner	364		P2	447	61	7	363
1091	outer		727	P2	446	62	7	1409
1089	outer		726	P2	448	63	7	1408
1088	inner	363		P2	449	64	7	362
1086	inner		724	P2	451	65	7	1406
1087	outer		725	P2	450	66	7	1407
1085	outer		723	P2	452	67	7	1405
1084	inner	362		P2	453	68	7	361
1082	inner	361		P2	455	69	7	360
1083	outer		722	P2	454	70	7	1404
1081	outer		721	P2	456	71	7	1403
1080	inner		720	P2	457	72	7	1402
1078	inner	360		P2	459	73	7	359
1079	outer		719	P2	458	74	7	1401
1077	outer		718	P2	460	75	7	1400
1076	inner	359		P2	461	76	7	358
1074	inner		716	P2	463	77	7	1398
1075	outer		717	P2	462	78	7	1399
1073	outer		715	P2	464	79	7	1397
1072	inner	358		P2	465	80	7	357
1070	inner	357		P2	467	81	7	356
1071	outer		714	P2	466	82	7	1396

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1069	outer		713	P2	468	83	7	1395
1068	inner		712	P2	469	84	7	1394
1066	inner	356		P2	471	85	7	355
1067	outer		711	P2	470	86	7	1393
1065	outer		710	P2	472	87	7	1392
1064	inner	355		P2	473	88	7	354
1062	inner		708	P2	475	89	7	1390
1063	outer		709	P2	474	90	7	1391
1061	outer		707	P2	476	91	7	1389
1060	inner	354		P2	477	92	7	353
1058	inner	353		P2	479	93	7	352
1059	outer		706	P2	478	94	7	1388
1057	outer		705	P2	480	95	7	1387
1056	inner		704	P2	481	96	7	1386
1054	inner	352		P2	483	97	7	351
1055	outer		703	P2	482	98	7	1385
1053	outer		702	P2	484	99	7	1384
1052	inner	351		P2	485	100	7	350
1050	inner		700	P2	487	101	7	1382
1051	outer		701	P2	486	102	7	1383
1049	outer		699	P2	488	103	7	1381
1048	inner	350		P2	489	104	7	349
1046	inner	349		P2	491	105	7	348
1047	outer		698	P2	490	106	7	1380
1045	outer		697	P2	492	107	7	1379
1044	inner		696	P2	493	108	7	1378
1042	inner	348		P2	495	109	7	347
1043	outer		695	P2	494	110	7	1377
1041	outer		694	P2	496	111	7	1376
1040	inner	347		P2	497	112	7	346
1038	inner		692	P2	499	113	7	1374
1039	outer		693	P2	498	114	7	1375
1037	outer		691	P2	500	115	7	1373
1036	inner	346		P2	501	116	7	345
1034	inner	345		P2	503	117	7	344
1035	outer		690	P2	502	118	7	1372
1033	outer		689	P2	504	119	7	1371
1032	inner		688	P2	505	120	7	1370
1030	inner	344		P2	507	121	7	343
1031	outer		687	P2	506	122	7	1369
1029	outer		686	P2	508	123	7	1368
1028	inner	343		P2	509	124	7	342
1026	inner		684	P2	511	125	7	1366
1027	outer		685	P2	510	126	7	1367
1025	outer		683	P2	512	127	7	1365
1024	inner	342		P3	1	0	8	341
1022	inner	341		P3	3	1	8	340

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
1023	outer		682	P3	2	2	8	1364
1021	outer		681	P3	4	3	8	1363
1020	inner		680	P3	5	4	8	1362
1018	inner	340		P3	7	5	8	339
1019	outer		679	P3	6	6	8	1361
1017	outer		678	P3	8	7	8	1360
1016	inner	339		P3	9	8	8	338
1014	inner		676	P3	11	9	8	1358
1015	outer		677	P3	10	10	8	1359
1013	outer		675	P3	12	11	8	1357
1012	inner	338		P3	13	12	8	337
1010	inner	337		P3	15	13	8	336
1011	outer		674	P3	14	14	8	1356
1009	outer		673	P3	16	15	8	1355
1008	inner		672	P3	17	16	8	1354
1006	inner	336		P3	19	17	8	335
1007	outer		671	P3	18	18	8	1353
1005	outer		670	P3	20	19	8	1352
1004	inner	335		P3	21	20	8	334
1002	inner		668	P3	23	21	8	1350
1003	outer		669	P3	22	22	8	1351
1001	outer		667	P3	24	23	8	1349
1000	inner	334		P3	25	24	8	333
998	inner	333		P3	27	25	8	332
999	outer		666	P3	26	26	8	1348
997	outer		665	P3	28	27	8	1347
996	inner		664	P3	29	28	8	1346
994	inner	332		P3	31	29	8	331
995	outer		663	P3	30	30	8	1345
993	outer		662	P3	32	31	8	1344
992	inner	331		P3	33	32	8	330
990	inner		660	P3	35	33	8	1342
991	outer		661	P3	34	34	8	1343
989	outer		659	P3	36	35	8	1341
988	inner	330		P3	37	36	8	329
986	inner	329		P3	39	37	8	328
987	outer		658	P3	38	38	8	1340
985	outer		657	P3	40	39	8	1339
984	inner		656	P3	41	40	8	1338
982	inner	328		P3	43	41	8	327
983	outer		655	P3	42	42	8	1337
981	outer		654	P3	44	43	8	1336
980	inner	327		P3	45	44	8	326
978	inner		652	P3	47	45	8	1334
979	outer		653	P3	46	46	8	1335
977	outer		651	P3	48	47	8	1333
976	inner	326		P3	49	48	8	325

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
974	inner	325		P3	51	49	8	324
975	outer		650	P3	50	50	8	1332
973	outer		649	P3	52	51	8	1331
972	inner		648	P3	53	52	8	1330
970	inner	324		P3	55	53	8	323
971	outer		647	P3	54	54	8	1329
969	outer		646	P3	56	55	8	1328
968	inner	323		P3	57	56	8	322
966	inner		644	P3	59	57	8	1326
967	outer		645	P3	58	58	8	1327
965	outer		643	P3	60	59	8	1325
964	inner	322		P3	61	60	8	321
962	inner	321		P3	63	61	8	320
963	outer		642	P3	62	62	8	1324
961	outer		641	P3	64	63	8	1323
960	inner		640	P3	65	64	8	1322
958	inner	320		P3	67	65	8	319
959	outer		639	P3	66	66	8	1321
957	outer		638	P3	68	67	8	1320
956	inner	319		P3	69	68	8	318
954	inner		636	P3	71	69	8	1318
955	outer		637	P3	70	70	8	1319
953	outer		635	P3	72	71	8	1317
952	inner	318		P3	73	72	8	317
950	inner	317		P3	75	73	8	316
951	outer		634	P3	74	74	8	1316
949	outer		633	P3	76	75	8	1315
948	inner		632	P3	77	76	8	1314
946	inner	316		P3	79	77	8	315
947	outer		631	P3	78	78	8	1313
945	outer		630	P3	80	79	8	1312
944	inner	315		P3	81	80	8	314
942	inner		628	P3	83	81	8	1310
943	outer		629	P3	82	82	8	1311
941	outer		627	P3	84	83	8	1309
940	inner	314		P3	85	84	8	313
938	inner	313		P3	87	85	8	312
939	outer		626	P3	86	86	8	1308
937	outer		625	P3	88	87	8	1307
936	inner		624	P3	89	88	8	1306
934	inner	312		P3	91	89	8	311
935	outer		623	P3	90	90	8	1305
933	outer		622	P3	92	91	8	1304
932	inner	311		P3	93	92	8	310
930	inner		620	P3	95	93	8	1302
931	outer		621	P3	94	94	8	1303
929	outer		619	P3	96	95	8	1301

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
928	inner	310		P3	97	96	8	309
926	inner	309		P3	99	97	8	308
927	outer		618	P3	98	98	8	1300
925	outer		617	P3	100	99	8	1299
924	inner		616	P3	101	100	8	1298
922	inner	308		P3	103	101	8	307
923	outer		615	P3	102	102	8	1297
921	outer		614	P3	104	103	8	1296
920	inner	307		P3	105	104	8	306
918	inner		612	P3	107	105	8	1294
919	outer		613	P3	106	106	8	1295
917	outer		611	P3	108	107	8	1293
916	inner	306		P3	109	108	8	305
914	inner	305		P3	111	109	8	304
915	outer		610	P3	110	110	8	1292
913	outer		609	P3	112	111	8	1291
912	inner		608	P3	113	112	8	1290
910	inner	304		P3	115	113	8	303
911	outer		607	P3	114	114	8	1289
909	outer		606	P3	116	115	8	1288
908	inner	303		P3	117	116	8	302
906	inner		604	P3	119	117	8	1286
907	outer		605	P3	118	118	8	1287
905	outer		603	P3	120	119	8	1285
904	inner	302		P3	121	120	8	301
902	inner	301		P3	123	121	8	300
903	outer		602	P3	122	122	8	1284
901	outer		601	P3	124	123	8	1283
900	inner		600	P3	125	124	8	1282
898	inner	300		P3	127	125	8	299
899	outer		599	P3	126	126	8	1281
897	outer		598	P3	128	127	8	1280
896	inner	299		P3	129	0	9	298
894	inner		596	P3	131	1	9	1278
895	outer		597	P3	130	2	9	1279
893	outer		595	P3	132	3	9	1277
892	inner	298		P3	133	4	9	297
890	inner	297		P3	135	5	9	296
891	outer		594	P3	134	6	9	1276
889	outer		593	P3	136	7	9	1275
888	inner		592	P3	137	8	9	1274
886	inner	296		P3	139	9	9	295
887	outer		591	P3	138	10	9	1273
885	outer		590	P3	140	11	9	1272
884	inner	295		P3	141	12	9	294
882	inner		588	P3	143	13	9	1270
883	outer		589	P3	142	14	9	1271

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
881	outer		587	P3	144	15	9	1269
880	inner	294		P3	145	16	9	293
878	inner	293		P3	147	17	9	292
879	outer		586	P3	146	18	9	1268
877	outer		585	P3	148	19	9	1267
876	inner		584	P3	149	20	9	1266
874	inner	292		P3	151	21	9	291
875	outer		583	P3	150	22	9	1265
873	outer		582	P3	152	23	9	1264
872	inner	291		P3	153	24	9	290
870	inner		580	P3	155	25	9	1262
871	outer		581	P3	154	26	9	1263
869	outer		579	P3	156	27	9	1261
868	inner	290		P3	157	28	9	289
866	inner	289		P3	159	29	9	288
867	outer		578	P3	158	30	9	1260
865	outer		577	P3	160	31	9	1259
864	inner		576	P3	161	32	9	1258
862	inner	288		P3	163	33	9	287
863	outer		575	P3	162	34	9	1257
861	outer		574	P3	164	35	9	1256
860	inner	287		P3	165	36	9	286
858	inner		572	P3	167	37	9	1254
859	outer		573	P3	166	38	9	1255
857	outer		571	P3	168	39	9	1253
856	inner	286		P3	169	40	9	285
854	inner	285		P3	171	41	9	284
855	outer		570	P3	170	42	9	1252
853	outer		569	P3	172	43	9	1251
852	inner		568	P3	173	44	9	1250
850	inner	284		P3	175	45	9	283
851	outer		567	P3	174	46	9	1249
849	outer		566	P3	176	47	9	1248
848	inner	283		P3	177	48	9	282
846	inner		564	P3	179	49	9	1246
847	outer		565	P3	178	50	9	1247
845	outer		563	P3	180	51	9	1245
844	inner	282		P3	181	52	9	281
842	inner	281		P3	183	53	9	280
843	outer		562	P3	182	54	9	1244
841	outer		561	P3	184	55	9	1243
840	inner		560	P3	185	56	9	1242
838	inner	280		P3	187	57	9	279
839	outer		559	P3	186	58	9	1241
837	outer		558	P3	188	59	9	1240
836	inner	279		P3	189	60	9	278
834	inner		556	P3	191	61	9	1238

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
835	outer		557	P3	190	62	9	1239
833	outer		555	P3	192	63	9	1237
832	inner	278		P3	193	64	9	277
830	inner	277		P3	195	65	9	276
831	outer		554	P3	194	66	9	1236
829	outer		553	P3	196	67	9	1235
828	inner		552	P3	197	68	9	1234
826	inner	276		P3	199	69	9	275
827	outer		551	P3	198	70	9	1233
825	outer		550	P3	200	71	9	1232
824	inner	275		P3	201	72	9	274
822	inner		548	P3	203	73	9	1230
823	outer		549	P3	202	74	9	1231
821	outer		547	P3	204	75	9	1229
820	inner	274		P3	205	76	9	273
818	inner	273		P3	207	77	9	272
819	outer		546	P3	206	78	9	1228
817	outer		545	P3	208	79	9	1227
816	inner		544	P3	209	80	9	1226
814	inner	272		P3	211	81	9	271
815	outer		543	P3	210	82	9	1225
813	outer		542	P3	212	83	9	1224
812	inner	271		P3	213	84	9	270
810	inner		540	P3	215	85	9	1222
811	outer		541	P3	214	86	9	1223
809	outer		539	P3	216	87	9	1221
808	inner	270		P3	217	88	9	269
806	inner	269		P3	219	89	9	268
807	outer		538	P3	218	90	9	1220
805	outer		537	P3	220	91	9	1219
804	inner		536	P3	221	92	9	1218
802	inner	268		P3	223	93	9	267
803	outer		535	P3	222	94	9	1217
801	outer		534	P3	224	95	9	1216
800	inner	267		P3	225	96	9	266
798	inner		532	P3	227	97	9	1214
799	outer		533	P3	226	98	9	1215
797	outer		531	P3	228	99	9	1213
796	inner	266		P3	229	100	9	265
794	inner	265		P3	231	101	9	264
795	outer		530	P3	230	102	9	1212
793	outer		529	P3	232	103	9	1211
792	inner		528	P3	233	104	9	1210
790	inner	264		P3	235	105	9	263
791	outer		527	P3	234	106	9	1209
789	outer		526	P3	236	107	9	1208
788	inner	263		P3	237	108	9	262

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
786	inner		524	P3	239	109	9	1206
787	outer		525	P3	238	110	9	1207
785	outer		523	P3	240	111	9	1205
784	inner	262		P3	241	112	9	261
782	inner	261		P3	243	113	9	260
783	outer		522	P3	242	114	9	1204
781	outer		521	P3	244	115	9	1203
780	inner		520	P3	245	116	9	1202
778	inner	260		P3	247	117	9	259
779	outer		519	P3	246	118	9	1201
777	outer		518	P3	248	119	9	1200
776	inner	259		P3	249	120	9	258
774	inner		516	P3	251	121	9	1198
775	outer		517	P3	250	122	9	1199
773	outer		515	P3	252	123	9	1197
772	inner	258		P3	253	124	9	257
770	inner	257		P3	255	125	9	256
771	outer		514	P3	254	126	9	1196
769	outer		513	P3	256	127	9	1195
768	inner		512	P3	257	0	10	1194
766	inner	256		P3	259	1	10	255
767	outer		511	P3	258	2	10	1193
765	outer		510	P3	260	3	10	1192
764	inner	255		P3	261	4	10	254
762	inner		508	P3	263	5	10	1190
763	outer		509	P3	262	6	10	1191
761	outer		507	P3	264	7	10	1189
760	inner	254		P3	265	8	10	253
758	inner	253		P3	267	9	10	252
759	outer		506	P3	266	10	10	1188
757	outer		505	P3	268	11	10	1187
756	inner		504	P3	269	12	10	1186
754	inner	252		P3	271	13	10	251
755	outer		503	P3	270	14	10	1185
753	outer		502	P3	272	15	10	1184
752	inner	251		P3	273	16	10	250
750	inner		500	P3	275	17	10	1182
751	outer		501	P3	274	18	10	1183
749	outer		499	P3	276	19	10	1181
748	inner	250		P3	277	20	10	249
746	inner	249		P3	279	21	10	248
747	outer		498	P3	278	22	10	1180
745	outer		497	P3	280	23	10	1179
744	inner		496	P3	281	24	10	1178
742	inner	248		P3	283	25	10	247
743	outer		495	P3	282	26	10	1177
741	outer		494	P3	284	27	10	1176

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
740	inner	247		P3	285	28	10	246
738	inner		492	P3	287	29	10	1174
739	outer		493	P3	286	30	10	1175
737	outer		491	P3	288	31	10	1173
736	inner	246		P3	289	32	10	245
734	inner	245		P3	291	33	10	244
735	outer		490	P3	290	34	10	1172
733	outer		489	P3	292	35	10	1171
732	inner		488	P3	293	36	10	1170
730	inner	244		P3	295	37	10	243
731	outer		487	P3	294	38	10	1169
729	outer		486	P3	296	39	10	1168
728	inner	243		P3	297	40	10	242
726	inner		484	P3	299	41	10	1166
727	outer		485	P3	298	42	10	1167
725	outer		483	P3	300	43	10	1165
724	inner	242		P3	301	44	10	241
722	inner	241		P3	303	45	10	240
723	outer		482	P3	302	46	10	1164
721	outer		481	P3	304	47	10	1163
720	inner		480	P3	305	48	10	1162
718	inner	240		P3	307	49	10	239
719	outer		479	P3	306	50	10	1161
717	outer		478	P3	308	51	10	1160
716	inner	239		P3	309	52	10	238
714	inner		476	P3	311	53	10	1158
715	outer		477	P3	310	54	10	1159
713	outer		475	P3	312	55	10	1157
712	inner	238		P3	313	56	10	237
710	inner	237		P3	315	57	10	236
711	outer		474	P3	314	58	10	1156
709	outer		473	P3	316	59	10	1155
708	inner		472	P3	317	60	10	1154
706	inner	236		P3	319	61	10	235
707	outer		471	P3	318	62	10	1153
705	outer		470	P3	320	63	10	1152
704	inner	235		P3	321	64	10	234
702	inner		468	P3	323	65	10	1150
703	outer		469	P3	322	66	10	1151
701	outer		467	P3	324	67	10	1149
700	inner	234		P3	325	68	10	233
698	inner	233		P3	327	69	10	232
699	outer		466	P3	326	70	10	1148
697	outer		465	P3	328	71	10	1147
696	inner		464	P3	329	72	10	1146
694	inner	232		P3	331	73	10	231
695	outer		463	P3	330	74	10	1145

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
693	outer		462	P3	332	75	10	1144
692	inner	231		P3	333	76	10	230
690	inner		460	P3	335	77	10	1142
691	outer		461	P3	334	78	10	1143
689	outer		459	P3	336	79	10	1141
688	inner	230		P3	337	80	10	229
686	inner	229		P3	339	81	10	228
687	outer		458	P3	338	82	10	1140
685	outer		457	P3	340	83	10	1139
684	inner		456	P3	341	84	10	1138
682	inner	228		P3	343	85	10	227
683	outer		455	P3	342	86	10	1137
681	outer		454	P3	344	87	10	1136
680	inner	227		P3	345	88	10	226
678	inner		452	P3	347	89	10	1134
679	outer		453	P3	346	90	10	1135
677	outer		451	P3	348	91	10	1133
676	inner	226		P3	349	92	10	225
674	inner	225		P3	351	93	10	224
675	outer		450	P3	350	94	10	1132
673	outer		449	P3	352	95	10	1131
672	inner		448	P3	353	96	10	1130
670	inner	224		P3	355	97	10	223
671	outer		447	P3	354	98	10	1129
669	outer		446	P3	356	99	10	1128
668	inner	223		P3	357	100	10	222
666	inner		444	P3	359	101	10	1126
667	outer		445	P3	358	102	10	1127
665	outer		443	P3	360	103	10	1125
664	inner	222		P3	361	104	10	221
662	inner	221		P3	363	105	10	220
663	outer		442	P3	362	106	10	1124
661	outer		441	P3	364	107	10	1123
660	inner		440	P3	365	108	10	1122
658	inner	220		P3	367	109	10	219
659	outer		439	P3	366	110	10	1121
657	outer		438	P3	368	111	10	1120
656	inner	219		P3	369	112	10	218
654	inner		436	P3	371	113	10	1118
655	outer		437	P3	370	114	10	1119
653	outer		435	P3	372	115	10	1117
652	inner	218		P3	373	116	10	217
650	inner	217		P3	375	117	10	216
651	outer		434	P3	374	118	10	1116
649	outer		433	P3	376	119	10	1115
648	inner		432	P3	377	120	10	1114
646	inner	216		P3	379	121	10	215

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
647	outer		431	P3	378	122	10	1113
645	outer		430	P3	380	123	10	1112
644	inner	215		P3	381	124	10	214
642	inner		428	P3	383	125	10	1110
643	outer		429	P3	382	126	10	1111
641	outer		427	P3	384	127	10	1109
640	inner	214		P3	385	0	11	213
638	inner	213		P3	387	1	11	212
639	outer		426	P3	386	2	11	1108
637	outer		425	P3	388	3	11	1107
636	inner		424	P3	389	4	11	1106
634	inner	212		P3	391	5	11	211
635	outer		423	P3	390	6	11	1105
633	outer		422	P3	392	7	11	1104
632	inner	211		P3	393	8	11	210
630	inner		420	P3	395	9	11	1102
631	outer		421	P3	394	10	11	1103
629	outer		419	P3	396	11	11	1101
628	inner	210		P3	397	12	11	209
626	inner	209		P3	399	13	11	208
627	outer		418	P3	398	14	11	1100
625	outer		417	P3	400	15	11	1099
624	inner		416	P3	401	16	11	1098
622	inner	208		P3	403	17	11	207
623	outer		415	P3	402	18	11	1097
621	outer		414	P3	404	19	11	1096
620	inner	207		P3	405	20	11	206
618	inner		412	P3	407	21	11	1094
619	outer		413	P3	406	22	11	1095
617	outer		411	P3	408	23	11	1093
616	inner	206		P3	409	24	11	205
614	inner	205		P3	411	25	11	204
615	outer		410	P3	410	26	11	1092
613	outer		409	P3	412	27	11	1091
612	inner		408	P3	413	28	11	1090
610	inner	204		P3	415	29	11	203
611	outer		407	P3	414	30	11	1089
609	outer		406	P3	416	31	11	1088
608	inner	203		P3	417	32	11	202
606	inner		404	P3	419	33	11	1086
607	outer		405	P3	418	34	11	1087
605	outer		403	P3	420	35	11	1085
604	inner	202		P3	421	36	11	201
602	inner	201		P3	423	37	11	200
603	outer		402	P3	422	38	11	1084
601	outer		401	P3	424	39	11	1083
600	inner		400	P3	425	40	11	1082

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
598	inner	200		P3	427	41	11	199
599	outer		399	P3	426	42	11	1081
597	outer		398	P3	428	43	11	1080
596	inner	199		P3	429	44	11	198
594	inner		396	P3	431	45	11	1078
595	outer		397	P3	430	46	11	1079
593	outer		395	P3	432	47	11	1077
592	inner	198		P3	433	48	11	197
590	inner	197		P3	435	49	11	196
591	outer		394	P3	434	50	11	1076
589	outer		393	P3	436	51	11	1075
588	inner		392	P3	437	52	11	1074
586	inner	196		P3	439	53	11	195
587	outer		391	P3	438	54	11	1073
585	outer		390	P3	440	55	11	1072
584	inner	195		P3	441	56	11	194
582	inner		388	P3	443	57	11	1070
583	outer		389	P3	442	58	11	1071
581	outer		387	P3	444	59	11	1069
580	inner	194		P3	445	60	11	193
578	inner	193		P3	447	61	11	192
579	outer		386	P3	446	62	11	1068
577	outer		385	P3	448	63	11	1067
576	inner		384	P3	449	64	11	1066
574	inner	192		P3	451	65	11	191
575	outer		383	P3	450	66	11	1065
573	outer		382	P3	452	67	11	1064
572	inner	191		P3	453	68	11	190
570	inner		380	P3	455	69	11	1062
571	outer		381	P3	454	70	11	1063
569	outer		379	P3	456	71	11	1061
568	inner	190		P3	457	72	11	189
566	inner	189		P3	459	73	11	188
567	outer		378	P3	458	74	11	1060
565	outer		377	P3	460	75	11	1059
564	inner		376	P3	461	76	11	1058
562	inner	188		P3	463	77	11	187
563	outer		375	P3	462	78	11	1057
561	outer		374	P3	464	79	11	1056
560	inner	187		P3	465	80	11	186
558	inner		372	P3	467	81	11	1054
559	outer		373	P3	466	82	11	1055
557	outer		371	P3	468	83	11	1053
556	inner	186		P3	469	84	11	185
554	inner	185		P3	471	85	11	184
555	outer		370	P3	470	86	11	1052
553	outer		369	P3	472	87	11	1051

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
552	inner		368	P3	473	88	11	1050
550	inner	184		P3	475	89	11	183
551	outer		367	P3	474	90	11	1049
549	outer		366	P3	476	91	11	1048
548	inner	183		P3	477	92	11	182
546	inner		364	P3	479	93	11	1046
547	outer		365	P3	478	94	11	1047
545	outer		363	P3	480	95	11	1045
544	inner	182		P3	481	96	11	181
542	inner	181		P3	483	97	11	180
543	outer		362	P3	482	98	11	1044
541	outer		361	P3	484	99	11	1043
540	inner		360	P3	485	100	11	1042
538	inner	180		P3	487	101	11	179
539	outer		359	P3	486	102	11	1041
537	outer		358	P3	488	103	11	1040
536	inner	179		P3	489	104	11	178
534	inner		356	P3	491	105	11	1038
535	outer		357	P3	490	106	11	1039
533	outer		355	P3	492	107	11	1037
532	inner	178		P3	493	108	11	177
530	inner	177		P3	495	109	11	176
531	outer		354	P3	494	110	11	1036
529	outer		353	P3	496	111	11	1035
528	inner		352	P3	497	112	11	1034
526	inner	176		P3	499	113	11	175
527	outer		351	P3	498	114	11	1033
525	outer		350	P3	500	115	11	1032
524	inner	175		P3	501	116	11	174
522	inner		348	P3	503	117	11	1030
523	outer		349	P3	502	118	11	1031
521	outer		347	P3	504	119	11	1029
520	inner	174		P3	505	120	11	173
518	inner	173		P3	507	121	11	172
519	outer		346	P3	506	122	11	1028
517	outer		345	P3	508	123	11	1027
516	inner		344	P3	509	124	11	1026
514	inner	172		P3	511	125	11	171
515	outer		343	P3	510	126	11	1025
513	outer		342	P3	512	127	11	1024
512	inner	171		P4	1	0	12	170
510	inner		340	P4	3	1	12	1022
511	outer		341	P4	2	2	12	1023
509	outer		339	P4	4	3	12	1021
508	inner	170		P4	5	4	12	169
506	inner	169		P4	7	5	12	168
507	outer		338	P4	6	6	12	1020

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
505	outer		337	P4	8	7	12	1019
504	inner		336	P4	9	8	12	1018
502	inner	168		P4	11	9	12	167
503	outer		335	P4	10	10	12	1017
501	outer		334	P4	12	11	12	1016
500	inner	167		P4	13	12	12	166
498	inner		332	P4	15	13	12	1014
499	outer		333	P4	14	14	12	1015
497	outer		331	P4	16	15	12	1013
496	inner	166		P4	17	16	12	165
494	inner	165		P4	19	17	12	164
495	outer		330	P4	18	18	12	1012
493	outer		329	P4	20	19	12	1011
492	inner		328	P4	21	20	12	1010
490	inner	164		P4	23	21	12	163
491	outer		327	P4	22	22	12	1009
489	outer		326	P4	24	23	12	1008
488	inner	163		P4	25	24	12	162
486	inner		324	P4	27	25	12	1006
487	outer		325	P4	26	26	12	1007
485	outer		323	P4	28	27	12	1005
484	inner	162		P4	29	28	12	161
482	inner	161		P4	31	29	12	160
483	outer		322	P4	30	30	12	1004
481	outer		321	P4	32	31	12	1003
480	inner		320	P4	33	32	12	1002
478	inner	160		P4	35	33	12	159
479	outer		319	P4	34	34	12	1001
477	outer		318	P4	36	35	12	1000
476	inner	159		P4	37	36	12	158
474	inner		316	P4	39	37	12	998
475	outer		317	P4	38	38	12	999
473	outer		315	P4	40	39	12	997
472	inner	158		P4	41	40	12	157
470	inner	157		P4	43	41	12	156
471	outer		314	P4	42	42	12	996
469	outer		313	P4	44	43	12	995
468	inner		312	P4	45	44	12	994
466	inner	156		P4	47	45	12	155
467	outer		311	P4	46	46	12	993
465	outer		310	P4	48	47	12	992
464	inner	155		P4	49	48	12	154
462	inner		308	P4	51	49	12	990
463	outer		309	P4	50	50	12	991
461	outer		307	P4	52	51	12	989
460	inner	154		P4	53	52	12	153
458	inner	153		P4	55	53	12	152

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
459	outer		306	P4	54	54	12	988
457	outer		305	P4	56	55	12	987
456	inner		304	P4	57	56	12	986
454	inner	152		P4	59	57	12	151
455	outer		303	P4	58	58	12	985
453	outer		302	P4	60	59	12	984
452	inner	151		P4	61	60	12	150
450	inner		300	P4	63	61	12	982
451	outer		301	P4	62	62	12	983
449	outer		299	P4	64	63	12	981
448	inner	150		P4	65	64	12	149
446	inner	149		P4	67	65	12	148
447	outer		298	P4	66	66	12	980
445	outer		297	P4	68	67	12	979
444	inner		296	P4	69	68	12	978
442	inner	148		P4	71	69	12	147
443	outer		295	P4	70	70	12	977
441	outer		294	P4	72	71	12	976
440	inner	147		P4	73	72	12	146
438	inner		292	P4	75	73	12	974
439	outer		293	P4	74	74	12	975
437	outer		291	P4	76	75	12	973
436	inner	146		P4	77	76	12	145
434	inner	145		P4	79	77	12	144
435	outer		290	P4	78	78	12	972
433	outer		289	P4	80	79	12	971
432	inner		288	P4	81	80	12	970
430	inner	144		P4	83	81	12	143
431	outer		287	P4	82	82	12	969
429	outer		286	P4	84	83	12	968
428	inner	143		P4	85	84	12	142
426	inner		284	P4	87	85	12	966
427	outer		285	P4	86	86	12	967
425	outer		283	P4	88	87	12	965
424	inner	142		P4	89	88	12	141
422	inner	141		P4	91	89	12	140
423	outer		282	P4	90	90	12	964
421	outer		281	P4	92	91	12	963
420	inner		280	P4	93	92	12	962
418	inner	140		P4	95	93	12	139
419	outer		279	P4	94	94	12	961
417	outer		278	P4	96	95	12	960
416	inner	139		P4	97	96	12	138
414	inner		276	P4	99	97	12	958
415	outer		277	P4	98	98	12	959
413	outer		275	P4	100	99	12	957
412	inner	138		P4	101	100	12	137

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
410	inner	137		P4	103	101	12	136
411	outer		274	P4	102	102	12	956
409	outer		273	P4	104	103	12	955
408	inner		272	P4	105	104	12	954
406	inner	136		P4	107	105	12	135
407	outer		271	P4	106	106	12	953
405	outer		270	P4	108	107	12	952
404	inner	135		P4	109	108	12	134
402	inner		268	P4	111	109	12	950
403	outer		269	P4	110	110	12	951
401	outer		267	P4	112	111	12	949
400	inner	134		P4	113	112	12	133
398	inner	133		P4	115	113	12	132
399	outer		266	P4	114	114	12	948
397	outer		265	P4	116	115	12	947
396	inner		264	P4	117	116	12	946
394	inner	132		P4	119	117	12	131
395	outer		263	P4	118	118	12	945
393	outer		262	P4	120	119	12	944
392	inner	131		P4	121	120	12	130
390	inner		260	P4	123	121	12	942
391	outer		261	P4	122	122	12	943
389	outer		259	P4	124	123	12	941
388	inner	130		P4	125	124	12	129
386	inner	129		P4	127	125	12	128
387	outer		258	P4	126	126	12	940
385	outer		257	P4	128	127	12	939
384	inner		256	P4	129	0	13	938
382	inner	128		P4	131	1	13	127
383	outer		255	P4	130	2	13	937
381	outer		254	P4	132	3	13	936
380	inner	127		P4	133	4	13	126
378	inner		252	P4	135	5	13	934
379	outer		253	P4	134	6	13	935
377	outer		251	P4	136	7	13	933
376	inner	126		P4	137	8	13	125
374	inner	125		P4	139	9	13	124
375	outer		250	P4	138	10	13	932
373	outer		249	P4	140	11	13	931
372	inner		248	P4	141	12	13	930
370	inner	124		P4	143	13	13	123
371	outer		247	P4	142	14	13	929
369	outer		246	P4	144	15	13	928
368	inner	123		P4	145	16	13	122
366	inner		244	P4	147	17	13	926
367	outer		245	P4	146	18	13	927
365	outer		243	P4	148	19	13	925

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
364	inner	122		P4	149	20	13	121
362	inner	121		P4	151	21	13	120
363	outer		242	P4	150	22	13	924
361	outer		241	P4	152	23	13	923
360	inner		240	P4	153	24	13	922
358	inner	120		P4	155	25	13	119
359	outer		239	P4	154	26	13	921
357	outer		238	P4	156	27	13	920
356	inner	119		P4	157	28	13	118
354	inner		236	P4	159	29	13	918
355	outer		237	P4	158	30	13	919
353	outer		235	P4	160	31	13	917
352	inner	118		P4	161	32	13	117
350	inner	117		P4	163	33	13	116
351	outer		234	P4	162	34	13	916
349	outer		233	P4	164	35	13	915
348	inner		232	P4	165	36	13	914
346	inner	116		P4	167	37	13	115
347	outer		231	P4	166	38	13	913
345	outer		230	P4	168	39	13	912
344	inner	115		P4	169	40	13	114
342	inner		228	P4	171	41	13	910
343	outer		229	P4	170	42	13	911
341	outer		227	P4	172	43	13	909
340	inner	114		P4	173	44	13	113
338	inner	113		P4	175	45	13	112
339	outer		226	P4	174	46	13	908
337	outer		225	P4	176	47	13	907
336	inner		224	P4	177	48	13	906
334	inner	112		P4	179	49	13	111
335	outer		223	P4	178	50	13	905
333	outer		222	P4	180	51	13	904
332	inner	111		P4	181	52	13	110
330	inner		220	P4	183	53	13	902
331	outer		221	P4	182	54	13	903
329	outer		219	P4	184	55	13	901
328	inner	110		P4	185	56	13	109
326	inner	109		P4	187	57	13	108
327	outer		218	P4	186	58	13	900
325	outer		217	P4	188	59	13	899
324	inner		216	P4	189	60	13	898
322	inner	108		P4	191	61	13	107
323	outer		215	P4	190	62	13	897
321	outer		214	P4	192	63	13	896
320	inner	107		P4	193	64	13	106
318	inner		212	P4	195	65	13	894
319	outer		213	P4	194	66	13	895

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
317	outer		211	P4	196	67	13	893
316	inner	106		P4	197	68	13	105
314	inner	105		P4	199	69	13	104
315	outer		210	P4	198	70	13	892
313	outer		209	P4	200	71	13	891
312	inner		208	P4	201	72	13	890
310	inner	104		P4	203	73	13	103
311	outer		207	P4	202	74	13	889
309	outer		206	P4	204	75	13	888
308	inner	103		P4	205	76	13	102
306	inner		204	P4	207	77	13	886
307	outer		205	P4	206	78	13	887
305	outer		203	P4	208	79	13	885
304	inner	102		P4	209	80	13	101
302	inner	101		P4	211	81	13	100
303	outer		202	P4	210	82	13	884
301	outer		201	P4	212	83	13	883
300	inner		200	P4	213	84	13	882
298	inner	100		P4	215	85	13	99
299	outer		199	P4	214	86	13	881
297	outer		198	P4	216	87	13	880
296	inner	99		P4	217	88	13	98
294	inner		196	P4	219	89	13	878
295	outer		197	P4	218	90	13	879
293	outer		195	P4	220	91	13	877
292	inner	98		P4	221	92	13	97
290	inner	97		P4	223	93	13	96
291	outer		194	P4	222	94	13	876
289	outer		193	P4	224	95	13	875
288	inner		192	P4	225	96	13	874
286	inner	96		P4	227	97	13	95
287	outer		191	P4	226	98	13	873
285	outer		190	P4	228	99	13	872
284	inner	95		P4	229	100	13	94
282	inner		188	P4	231	101	13	870
283	outer		189	P4	230	102	13	871
281	outer		187	P4	232	103	13	869
280	inner	94		P4	233	104	13	93
278	inner	93		P4	235	105	13	92
279	outer		186	P4	234	106	13	868
277	outer		185	P4	236	107	13	867
276	inner		184	P4	237	108	13	866
274	inner	92		P4	239	109	13	91
275	outer		183	P4	238	110	13	865
273	outer		182	P4	240	111	13	864
272	inner	91		P4	241	112	13	90
270	inner		180	P4	243	113	13	862

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
271	outer		181	P4	242	114	13	863
269	outer		179	P4	244	115	13	861
268	inner	90		P4	245	116	13	89
266	inner	89		P4	247	117	13	88
267	outer		178	P4	246	118	13	860
265	outer		177	P4	248	119	13	859
264	inner		176	P4	249	120	13	858
262	inner	88		P4	251	121	13	87
263	outer		175	P4	250	122	13	857
261	outer		174	P4	252	123	13	856
260	inner	87		P4	253	124	13	86
258	inner		172	P4	255	125	13	854
259	outer		173	P4	254	126	13	855
257	outer		171	P4	256	127	13	853
256	inner	86		P4	257	0	14	85
254	inner	85		P4	259	1	14	84
255	outer		170	P4	258	2	14	852
253	outer		169	P4	260	3	14	851
252	inner		168	P4	261	4	14	850
250	inner	84		P4	263	5	14	83
251	outer		167	P4	262	6	14	849
249	outer		166	P4	264	7	14	848
248	inner	83		P4	265	8	14	82
246	inner		164	P4	267	9	14	846
247	outer		165	P4	266	10	14	847
245	outer		163	P4	268	11	14	845
244	inner	82		P4	269	12	14	81
242	inner	81		P4	271	13	14	80
243	outer		162	P4	270	14	14	844
241	outer		161	P4	272	15	14	843
240	inner		160	P4	273	16	14	842
238	inner	80		P4	275	17	14	79
239	outer		159	P4	274	18	14	841
237	outer		158	P4	276	19	14	840
236	inner	79		P4	277	20	14	78
234	inner		156	P4	279	21	14	838
235	outer		157	P4	278	22	14	839
233	outer		155	P4	280	23	14	837
232	inner	78		P4	281	24	14	77
230	inner	77		P4	283	25	14	76
231	outer		154	P4	282	26	14	836
229	outer		153	P4	284	27	14	835
228	inner		152	P4	285	28	14	834
226	inner	76		P4	287	29	14	75
227	outer		151	P4	286	30	14	833
225	outer		150	P4	288	31	14	832
224	inner	75		P4	289	32	14	74

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
222	inner		148	P4	291	33	14	830
223	outer		149	P4	290	34	14	831
221	outer		147	P4	292	35	14	829
220	inner	74		P4	293	36	14	73
218	inner	73		P4	295	37	14	72
219	outer		146	P4	294	38	14	828
217	outer		145	P4	296	39	14	827
216	inner		144	P4	297	40	14	826
214	inner	72		P4	299	41	14	71
215	outer		143	P4	298	42	14	825
213	outer		142	P4	300	43	14	824
212	inner	71		P4	301	44	14	70
210	inner		140	P4	303	45	14	822
211	outer		141	P4	302	46	14	823
209	outer		139	P4	304	47	14	821
208	inner	70		P4	305	48	14	69
206	inner	69		P4	307	49	14	68
207	outer		138	P4	306	50	14	820
205	outer		137	P4	308	51	14	819
204	inner		136	P4	309	52	14	818
202	inner	68		P4	311	53	14	67
203	outer		135	P4	310	54	14	817
201	outer		134	P4	312	55	14	816
200	inner	67		P4	313	56	14	66
198	inner		132	P4	315	57	14	814
199	outer		133	P4	314	58	14	815
197	outer		131	P4	316	59	14	813
196	inner	66		P4	317	60	14	65
194	inner	65		P4	319	61	14	64
195	outer		130	P4	318	62	14	812
193	outer		129	P4	320	63	14	811
192	inner		128	P4	321	64	14	810
190	inner	64		P4	323	65	14	63
191	outer		127	P4	322	66	14	809
189	outer		126	P4	324	67	14	808
188	inner	63		P4	325	68	14	62
186	inner		124	P4	327	69	14	806
187	outer		125	P4	326	70	14	807
185	outer		123	P4	328	71	14	805
184	inner	62		P4	329	72	14	61
182	inner	61		P4	331	73	14	60
183	outer		122	P4	330	74	14	804
181	outer		121	P4	332	75	14	803
180	inner		120	P4	333	76	14	802
178	inner	60		P4	335	77	14	59
179	outer		119	P4	334	78	14	801
177	outer		118	P4	336	79	14	800

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
176	inner	59		P4	337	80	14	58
174	inner		116	P4	339	81	14	798
175	outer		117	P4	338	82	14	799
173	outer		115	P4	340	83	14	797
172	inner	58		P4	341	84	14	57
170	inner	57		P4	343	85	14	56
171	outer		114	P4	342	86	14	796
169	outer		113	P4	344	87	14	795
168	inner		112	P4	345	88	14	794
166	inner	56		P4	347	89	14	55
167	outer		111	P4	346	90	14	793
165	outer		110	P4	348	91	14	792
164	inner	55		P4	349	92	14	54
162	inner		108	P4	351	93	14	790
163	outer		109	P4	350	94	14	791
161	outer		107	P4	352	95	14	789
160	inner	54		P4	353	96	14	53
158	inner	53		P4	355	97	14	52
159	outer		106	P4	354	98	14	788
157	outer		105	P4	356	99	14	787
156	inner		104	P4	357	100	14	786
154	inner	52		P4	359	101	14	51
155	outer		103	P4	358	102	14	785
153	outer		102	P4	360	103	14	784
152	inner	51		P4	361	104	14	50
150	inner		100	P4	363	105	14	782
151	outer		101	P4	362	106	14	783
149	outer		99	P4	364	107	14	781
148	inner	50		P4	365	108	14	49
146	inner	49		P4	367	109	14	48
147	outer		98	P4	366	110	14	780
145	outer		97	P4	368	111	14	779
144	inner		96	P4	369	112	14	778
142	inner	48		P4	371	113	14	47
143	outer		95	P4	370	114	14	777
141	outer		94	P4	372	115	14	776
140	inner	47		P4	373	116	14	46
138	inner		92	P4	375	117	14	774
139	outer		93	P4	374	118	14	775
137	outer		91	P4	376	119	14	773
136	inner	46		P4	377	120	14	45
134	inner	45		P4	379	121	14	44
135	outer		90	P4	378	122	14	772
133	outer		89	P4	380	123	14	771
132	inner		88	P4	381	124	14	770
130	inner	44		P4	383	125	14	43
131	outer		87	P4	382	126	14	769

Sensor Pad	Pad Row	Inner Strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
129	outer			P4	384	127	14	768
128	inner	43		P4	385	0	15	42
126	inner			P4	387	1	15	766
127	outer			P4	386	2	15	767
125	outer			P4	388	3	15	765
124	inner	42		P4	389	4	15	41
122	inner	41		P4	391	5	15	40
123	outer			P4	390	6	15	764
121	outer			P4	392	7	15	763
120	inner			P4	393	8	15	762
118	inner	40		P4	395	9	15	39
119	outer			P4	394	10	15	761
117	outer			P4	396	11	15	760
116	inner	39		P4	397	12	15	38
114	inner			P4	399	13	15	758
115	outer			P4	398	14	15	759
113	outer			P4	400	15	15	757
112	inner	38		P4	401	16	15	37
110	inner	37		P4	403	17	15	36
111	outer			P4	402	18	15	756
109	outer			P4	404	19	15	755
108	inner			P4	405	20	15	754
106	inner	36		P4	407	21	15	35
107	outer			P4	406	22	15	753
105	outer			P4	408	23	15	752
104	inner	35		P4	409	24	15	34
102	inner			P4	411	25	15	750
103	outer			P4	410	26	15	751
101	outer			P4	412	27	15	749
100	inner	34		P4	413	28	15	33
98	inner	33		P4	415	29	15	32
99	outer			P4	414	30	15	748
97	outer			P4	416	31	15	747
96	inner			P4	417	32	15	746
94	inner	32		P4	419	33	15	31
95	outer			P4	418	34	15	745
93	outer			P4	420	35	15	744
92	inner	31		P4	421	36	15	30
90	inner			P4	423	37	15	742
91	outer			P4	422	38	15	743
89	outer			P4	424	39	15	741
88	inner	30		P4	425	40	15	29
86	inner	29		P4	427	41	15	28
87	outer			P4	426	42	15	740
85	outer			P4	428	43	15	739
84	inner			P4	429	44	15	738
82	inner	28		P4	431	45	15	27

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
83	outer		55	P4	430	46	15	737
81	outer		54	P4	432	47	15	736
80	inner	27		P4	433	48	15	26
78	inner		52	P4	435	49	15	734
79	outer		53	P4	434	50	15	735
77	outer		51	P4	436	51	15	733
76	inner	26		P4	437	52	15	25
74	inner	25		P4	439	53	15	24
75	outer		50	P4	438	54	15	732
73	outer		49	P4	440	55	15	731
72	inner		48	P4	441	56	15	730
70	inner	24		P4	443	57	15	23
71	outer		47	P4	442	58	15	729
69	outer		46	P4	444	59	15	728
68	inner	23		P4	445	60	15	22
66	inner		44	P4	447	61	15	726
67	outer		45	P4	446	62	15	727
65	outer		43	P4	448	63	15	725
64	inner	22		P4	449	64	15	21
62	inner	21		P4	451	65	15	20
63	outer		42	P4	450	66	15	724
61	outer		41	P4	452	67	15	723
60	inner		40	P4	453	68	15	722
58	inner	20		P4	455	69	15	19
59	outer		39	P4	454	70	15	721
57	outer		38	P4	456	71	15	720
56	inner	19		P4	457	72	15	18
54	inner		36	P4	459	73	15	718
55	outer		37	P4	458	74	15	719
53	outer		35	P4	460	75	15	717
52	inner	18		P4	461	76	15	17
50	inner	17		P4	463	77	15	16
51	outer		34	P4	462	78	15	716
49	outer		33	P4	464	79	15	715
48	inner		32	P4	465	80	15	714
46	inner	16		P4	467	81	15	15
47	outer		31	P4	466	82	15	713
45	outer		30	P4	468	83	15	712
44	inner	15		P4	469	84	15	14
42	inner		28	P4	471	85	15	710
43	outer		29	P4	470	86	15	711
41	outer		27	P4	472	87	15	709
40	inner	14		P4	473	88	15	13
38	inner	13		P4	475	89	15	12
39	outer		26	P4	474	90	15	708
37	outer		25	P4	476	91	15	707
36	inner		24	P4	477	92	15	706

Sen sor Pad	Pad Row	Inner strip	Outer Strip	PA	PA-pad	Channel	Chip	s/w Strip
34	inner	12		P4	479	93	15	11
35	outer		23	P4	478	94	15	705
33	outer		22	P4	480	95	15	704
32	inner	11		P4	481	96	15	10
30	inner		20	P4	483	97	15	702
31	outer		21	P4	482	98	15	703
29	outer		19	P4	484	99	15	701
28	inner	10		P4	485	100	15	9
26	inner	9		P4	487	101	15	8
27	outer		18	P4	486	102	15	700
25	outer		17	P4	488	103	15	699
24	inner		16	P4	489	104	15	698
22	inner	8		P4	491	105	15	7
23	outer		15	P4	490	106	15	697
21	outer		14	P4	492	107	15	696
20	inner	7		P4	493	108	15	6
18	inner		12	P4	495	109	15	694
19	outer		13	P4	494	110	15	695
17	outer		11	P4	496	111	15	693
16	inner	6		P4	497	112	15	5
14	inner	5		P4	499	113	15	4
15	outer		10	P4	498	114	15	692
13	outer		9	P4	500	115	15	691
12	inner		8	P4	501	116	15	690
10	inner	4		P4	503	117	15	3
11	outer		7	P4	502	118	15	689
9	outer		6	P4	504	119	15	688
8	inner	3		P4	505	120	15	2
6	inner		4	P4	507	121	15	686
7	outer		5	P4	506	122	15	687
5	outer		3	P4	508	123	15	685
4	inner	2		P4	509	124	15	1
2	inner	1		P4	511	125	15	0
3	outer		2	P4	510	126	15	684
1	outer		1	P4	512	127	15	683

Appendix D Lookup table for R Detector

The data from this table is currently available (in more economical form) in the channel lookup tool (<http://velodb.ph.liv.ac.uk/lhcb/channelmap/channelmap.php?type=R&sort=cc>.)

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
2048	inner	4	1665	R1	1	0	0	1664
2046	inner	4	1666	R1	3	1	0	1665
2047	outer	4	1667	R1	2	2	0	1666
2045	outer	4	1668	R1	4	3	0	1667
2044	inner	4	1669	R1	5	4	0	1668
2042	inner	4	1670	R1	7	5	0	1669
2043	outer	4	1671	R1	6	6	0	1670
2041	outer	4	1672	R1	8	7	0	1671
2040	inner	4	1673	R1	9	8	0	1672
2038	inner	4	1674	R1	11	9	0	1673
2039	outer	4	1675	R1	10	10	0	1674
2037	outer	4	1676	R1	12	11	0	1675
2036	inner	4	1677	R1	13	12	0	1676
2034	inner	4	1678	R1	15	13	0	1677
2035	outer	4	1679	R1	14	14	0	1678
2033	outer	4	1680	R1	16	15	0	1679
2032	inner	4	1681	R1	17	16	0	1680
2030	inner	4	1682	R1	19	17	0	1681
2031	outer	4	1683	R1	18	18	0	1682
2029	outer	4	1684	R1	20	19	0	1683
2028	inner	4	1685	R1	21	20	0	1684
2026	inner	4	1686	R1	23	21	0	1685
2027	outer	4	1687	R1	22	22	0	1686
2025	outer	4	1688	R1	24	23	0	1687
2024	inner	4	1689	R1	25	24	0	1688
2022	inner	4	1690	R1	27	25	0	1689
2023	outer	4	1691	R1	26	26	0	1690
2021	outer	4	1692	R1	28	27	0	1691
2020	inner	4	1693	R1	29	28	0	1692
2018	inner	4	1694	R1	31	29	0	1693
2019	outer	4	1695	R1	30	30	0	1694
2017	outer	4	1696	R1	32	31	0	1695
2016	inner	4	1697	R1	33	32	0	1696
2014	inner	4	1698	R1	35	33	0	1697
2015	outer	4	1699	R1	34	34	0	1698
2013	outer	4	1700	R1	36	35	0	1699
2012	inner	4	1701	R1	37	36	0	1700
2010	inner	4	1702	R1	39	37	0	1701
2011	outer	4	1703	R1	38	38	0	1702
2009	outer	4	1704	R1	40	39	0	1703
2008	inner	4	1705	R1	41	40	0	1704

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
2006	inner	4	1706	R1	43	41	0	1705
2007	outer	4	1707	R1	42	42	0	1706
2005	outer	4	1708	R1	44	43	0	1707
2004	inner	4	1709	R1	45	44	0	1708
2002	inner	4	1710	R1	47	45	0	1709
2003	outer	4	1711	R1	46	46	0	1710
2001	outer	4	1712	R1	48	47	0	1711
2000	inner	4	1713	R1	49	48	0	1712
1998	inner	4	1714	R1	51	49	0	1713
1999	outer	4	1715	R1	50	50	0	1714
1997	outer	4	1716	R1	52	51	0	1715
1996	inner	4	1717	R1	53	52	0	1716
1994	inner	4	1718	R1	55	53	0	1717
1995	outer	4	1719	R1	54	54	0	1718
1993	outer	4	1720	R1	56	55	0	1719
1992	inner	4	1721	R1	57	56	0	1720
1990	inner	4	1722	R1	59	57	0	1721
1991	outer	4	1723	R1	58	58	0	1722
1989	outer	4	1724	R1	60	59	0	1723
1988	inner	4	1725	R1	61	60	0	1724
1986	inner	4	1726	R1	63	61	0	1725
1987	outer	4	1727	R1	62	62	0	1726
1985	outer	4	1728	R1	64	63	0	1727
1984	inner	4	1729	R1	65	64	0	1728
1982	inner	4	1730	R1	67	65	0	1729
1983	outer	4	1731	R1	66	66	0	1730
1981	outer	4	1732	R1	68	67	0	1731
1980	inner	4	1733	R1	69	68	0	1732
1978	inner	4	1734	R1	71	69	0	1733
1979	outer	4	1735	R1	70	70	0	1734
1977	outer	4	1736	R1	72	71	0	1735
1976	inner	4	1737	R1	73	72	0	1736
1974	inner	4	1738	R1	75	73	0	1737
1975	outer	4	1739	R1	74	74	0	1738
1973	outer	4	1740	R1	76	75	0	1739
1972	inner	4	1741	R1	77	76	0	1740
1970	inner	4	1742	R1	79	77	0	1741
1971	outer	4	1743	R1	78	78	0	1742
1969	outer	4	1744	R1	80	79	0	1743
1968	inner	4	1745	R1	81	80	0	1744
1966	inner	4	1746	R1	83	81	0	1745

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1967	outer	4	1747	R1	82	82	0	1746
1965	outer	4	1748	R1	84	83	0	1747
1964	inner	4	1749	R1	85	84	0	1748
1962	inner	4	1750	R1	87	85	0	1749
1963	outer	4	1751	R1	86	86	0	1750
1961	outer	4	1752	R1	88	87	0	1751
1960	inner	4	1753	R1	89	88	0	1752
1958	inner	4	1754	R1	91	89	0	1753
1959	outer	4	1755	R1	90	90	0	1754
1957	outer	4	1756	R1	92	91	0	1755
1956	inner	4	1757	R1	93	92	0	1756
1954	inner	4	1758	R1	95	93	0	1757
1955	outer	4	1759	R1	94	94	0	1758
1953	outer	4	1760	R1	96	95	0	1759
1952	inner	4	1761	R1	97	96	0	1760
1950	inner	4	1762	R1	99	97	0	1761
1951	outer	4	1763	R1	98	98	0	1762
1949	outer	4	1764	R1	100	99	0	1763
1948	inner	4	1765	R1	101	100	0	1764
1946	inner	4	1766	R1	103	101	0	1765
1947	outer	4	1767	R1	102	102	0	1766
1945	outer	4	1768	R1	104	103	0	1767
1944	inner	4	1769	R1	105	104	0	1768
1942	inner	4	1770	R1	107	105	0	1769
1943	outer	4	1771	R1	106	106	0	1770
1941	outer	4	1772	R1	108	107	0	1771
1940	inner	4	1773	R1	109	108	0	1772
1938	inner	4	1774	R1	111	109	0	1773
1939	outer	4	1775	R1	110	110	0	1774
1937	outer	4	1776	R1	112	111	0	1775
1936	inner	4	1777	R1	113	112	0	1776
1934	inner	4	1778	R1	115	113	0	1777
1935	outer	4	1779	R1	114	114	0	1778
1933	outer	4	1780	R1	116	115	0	1779
1932	inner	4	1781	R1	117	116	0	1780
1930	inner	4	1782	R1	119	117	0	1781
1931	outer	4	1783	R1	118	118	0	1782
1929	outer	4	1784	R1	120	119	0	1783
1928	inner	4	1785	R1	121	120	0	1784
1926	inner	4	1786	R1	123	121	0	1785
1927	outer	4	1787	R1	122	122	0	1786
1925	outer	4	1788	R1	124	123	0	1787
1924	inner	4	1789	R1	125	124	0	1788
1922	inner	4	1790	R1	127	125	0	1789
1923	outer	4	1791	R1	126	126	0	1790
1921	outer	4	1792	R1	128	127	0	1791
1920	inner	4	1793	R1	129	0	1	1792

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1918	inner	4	1794	R1	131	1	1	1793
1919	outer	4	1795	R1	130	2	1	1794
1917	outer	4	1796	R1	132	3	1	1795
1916	inner	4	1797	R1	133	4	1	1796
1914	inner	4	1798	R1	135	5	1	1797
1915	outer	4	1799	R1	134	6	1	1798
1913	outer	4	1800	R1	136	7	1	1799
1912	inner	4	1801	R1	137	8	1	1800
1910	inner	4	1802	R1	139	9	1	1801
1911	outer	4	1803	R1	138	10	1	1802
1909	outer	4	1804	R1	140	11	1	1803
1908	inner	4	1805	R1	141	12	1	1804
1906	inner	4	1806	R1	143	13	1	1805
1907	outer	4	1807	R1	142	14	1	1806
1905	outer	4	1808	R1	144	15	1	1807
1904	inner	4	1809	R1	145	16	1	1808
1902	inner	4	1810	R1	147	17	1	1809
1903	outer	4	1811	R1	146	18	1	1810
1901	outer	4	1812	R1	148	19	1	1811
1900	inner	4	1813	R1	149	20	1	1812
1898	inner	4	1814	R1	151	21	1	1813
1899	outer	4	1815	R1	150	22	1	1814
1897	outer	4	1816	R1	152	23	1	1815
1896	inner	4	1817	R1	153	24	1	1816
1894	inner	4	1818	R1	155	25	1	1817
1895	outer	4	1819	R1	154	26	1	1818
1893	outer	4	1820	R1	156	27	1	1819
1892	inner	4	1821	R1	157	28	1	1820
1890	inner	4	1822	R1	159	29	1	1821
1891	outer	4	1823	R1	158	30	1	1822
1889	outer	4	1824	R1	160	31	1	1823
1888	inner	4	1825	R1	161	32	1	1824
1886	inner	4	1826	R1	163	33	1	1825
1887	outer	4	1827	R1	162	34	1	1826
1885	outer	4	1828	R1	164	35	1	1827
1884	inner	4	1829	R1	165	36	1	1828
1882	inner	4	1830	R1	167	37	1	1829
1883	outer	4	1831	R1	166	38	1	1830
1881	outer	4	1832	R1	168	39	1	1831
1880	inner	4	1833	R1	169	40	1	1832
1878	inner	4	1834	R1	171	41	1	1833
1879	outer	4	1835	R1	170	42	1	1834
1877	outer	4	1836	R1	172	43	1	1835
1876	inner	4	1837	R1	173	44	1	1836
1874	inner	4	1838	R1	175	45	1	1837
1875	outer	4	1839	R1	174	46	1	1838
1873	outer	4	1840	R1	176	47	1	1839

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1872	inner	4	1841	R1	177	48	1	1840
1870	inner	4	1842	R1	179	49	1	1841
1871	outer	4	1843	R1	178	50	1	1842
1869	outer	4	1844	R1	180	51	1	1843
1868	inner	4	1845	R1	181	52	1	1844
1866	inner	4	1846	R1	183	53	1	1845
1867	outer	4	1847	R1	182	54	1	1846
1865	outer	4	1848	R1	184	55	1	1847
1864	inner	4	1849	R1	185	56	1	1848
1862	inner	4	1850	R1	187	57	1	1849
1863	outer	4	1851	R1	186	58	1	1850
1861	outer	4	1852	R1	188	59	1	1851
1860	inner	4	1853	R1	189	60	1	1852
1858	inner	4	1854	R1	191	61	1	1853
1859	outer	4	1855	R1	190	62	1	1854
1857	outer	4	1856	R1	192	63	1	1855
1856	inner	4	1857	R1	193	64	1	1856
1854	inner	4	1858	R1	195	65	1	1857
1855	outer	4	1859	R1	194	66	1	1858
1853	outer	4	1860	R1	196	67	1	1859
1852	inner	4	1861	R1	197	68	1	1860
1850	inner	4	1862	R1	199	69	1	1861
1851	outer	4	1863	R1	198	70	1	1862
1849	outer	4	1864	R1	200	71	1	1863
1848	inner	4	1865	R1	201	72	1	1864
1846	inner	4	1866	R1	203	73	1	1865
1847	outer	4	1867	R1	202	74	1	1866
1845	outer	4	1868	R1	204	75	1	1867
1844	inner	4	1869	R1	205	76	1	1868
1842	inner	4	1870	R1	207	77	1	1869
1843	outer	4	1871	R1	206	78	1	1870
1841	outer	4	1872	R1	208	79	1	1871
1840	inner	4	1873	R1	209	80	1	1872
1838	inner	4	1874	R1	211	81	1	1873
1839	outer	4	1875	R1	210	82	1	1874
1837	outer	4	1876	R1	212	83	1	1875
1836	inner	4	1877	R1	213	84	1	1876
1834	inner	4	1878	R1	215	85	1	1877
1835	outer	4	1879	R1	214	86	1	1878
1833	outer	4	1880	R1	216	87	1	1879
1832	inner	4	1881	R1	217	88	1	1880
1830	inner	4	1882	R1	219	89	1	1881
1831	outer	4	1883	R1	218	90	1	1882
1829	outer	4	1884	R1	220	91	1	1883
1828	inner	4	1885	R1	221	92	1	1884
1826	inner	4	1886	R1	223	93	1	1885
1827	outer	4	1887	R1	222	94	1	1886

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1825	outer	4	1888	R1	224	95	1	1887
1824	inner	4	1889	R1	225	96	1	1888
1822	inner	4	1890	R1	227	97	1	1889
1823	outer	4	1891	R1	226	98	1	1890
1821	outer	4	1892	R1	228	99	1	1891
1820	inner	4	1893	R1	229	100	1	1892
1818	inner	4	1894	R1	231	101	1	1893
1819	outer	4	1895	R1	230	102	1	1894
1817	outer	4	1896	R1	232	103	1	1895
1816	inner	4	1897	R1	233	104	1	1896
1814	inner	4	1898	R1	235	105	1	1897
1815	outer	4	1899	R1	234	106	1	1898
1813	outer	4	1900	R1	236	107	1	1899
1812	inner	4	1901	R1	237	108	1	1900
1810	inner	4	1902	R1	239	109	1	1901
1811	outer	4	1903	R1	238	110	1	1902
1809	outer	4	1904	R1	240	111	1	1903
1808	inner	4	1905	R1	241	112	1	1904
1806	inner	4	1906	R1	243	113	1	1905
1807	outer	4	1907	R1	242	114	1	1906
1805	outer	4	1908	R1	244	115	1	1907
1804	inner	4	1909	R1	245	116	1	1908
1802	inner	4	1910	R1	247	117	1	1909
1803	outer	4	1911	R1	246	118	1	1910
1801	outer	4	1912	R1	248	119	1	1911
1800	inner	4	1913	R1	249	120	1	1912
1798	inner	4	1914	R1	251	121	1	1913
1799	outer	4	1915	R1	250	122	1	1914
1797	outer	4	1916	R1	252	123	1	1915
1796	inner	4	1917	R1	253	124	1	1916
1794	inner	4	1918	R1	255	125	1	1917
1795	outer	4	1919	R1	254	126	1	1918
1793	outer	4	1920	R1	256	127	1	1919
1792	inner	4	1921	R1	257	0	2	1920
1790	inner	4	1922	R1	259	1	2	1921
1791	outer	4	1923	R1	258	2	2	1922
1789	outer	4	1924	R1	260	3	2	1923
1788	inner	4	1925	R1	261	4	2	1924
1786	inner	4	1926	R1	263	5	2	1925
1787	outer	4	1927	R1	262	6	2	1926
1785	outer	4	1928	R1	264	7	2	1927
1784	inner	4	1929	R1	265	8	2	1928
1782	inner	4	1930	R1	267	9	2	1929
1783	outer	4	1931	R1	266	10	2	1930
1781	outer	4	1932	R1	268	11	2	1931
1780	inner	4	1933	R1	269	12	2	1932
1778	inner	4	1934	R1	271	13	2	1933

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1779	outer	4	1935	R1	270	14	2	1934
1777	outer	4	1936	R1	272	15	2	1935
1776	inner	4	1937	R1	273	16	2	1936
1774	inner	4	1938	R1	275	17	2	1937
1775	outer	4	1939	R1	274	18	2	1938
1773	outer	4	1940	R1	276	19	2	1939
1772	inner	4	1941	R1	277	20	2	1940
1770	inner	4	1942	R1	279	21	2	1941
1771	outer	4	1943	R1	278	22	2	1942
1769	outer	4	1944	R1	280	23	2	1943
1768	inner	4	1945	R1	281	24	2	1944
1766	inner	4	1946	R1	283	25	2	1945
1767	outer	4	1947	R1	282	26	2	1946
1765	outer	4	1948	R1	284	27	2	1947
1764	inner	4	1949	R1	285	28	2	1948
1762	inner	4	1950	R1	287	29	2	1949
1763	outer	4	1951	R1	286	30	2	1950
1761	outer	4	1952	R1	288	31	2	1951
1760	inner	4	1953	R1	289	32	2	1952
1758	inner	4	1954	R1	291	33	2	1953
1759	outer	4	1955	R1	290	34	2	1954
1757	outer	4	1956	R1	292	35	2	1955
1756	inner	4	1957	R1	293	36	2	1956
1754	inner	4	1958	R1	295	37	2	1957
1755	outer	4	1959	R1	294	38	2	1958
1753	outer	4	1960	R1	296	39	2	1959
1752	inner	4	1961	R1	297	40	2	1960
1750	inner	4	1962	R1	299	41	2	1961
1751	outer	4	1963	R1	298	42	2	1962
1749	outer	4	1964	R1	300	43	2	1963
1748	inner	4	1965	R1	301	44	2	1964
1746	inner	4	1966	R1	303	45	2	1965
1747	outer	4	1967	R1	302	46	2	1966
1745	outer	4	1968	R1	304	47	2	1967
1744	inner	4	1969	R1	305	48	2	1968
1742	inner	4	1970	R1	307	49	2	1969
1743	outer	4	1971	R1	306	50	2	1970
1741	outer	4	1972	R1	308	51	2	1971
1740	inner	4	1973	R1	309	52	2	1972
1738	inner	4	1974	R1	311	53	2	1973
1739	outer	4	1975	R1	310	54	2	1974
1737	outer	4	1976	R1	312	55	2	1975
1736	inner	4	1977	R1	313	56	2	1976
1734	inner	4	1978	R1	315	57	2	1977
1735	outer	4	1979	R1	314	58	2	1978
1733	outer	4	1980	R1	316	59	2	1979
1732	inner	4	1981	R1	317	60	2	1980

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1730	inner	4	1982	R1	319	61	2	1981
1731	outer	4	1983	R1	318	62	2	1982
1729	outer	4	1984	R1	320	63	2	1983
1728	inner	4	1985	R1	321	64	2	1984
1726	inner	4	1986	R1	323	65	2	1985
1727	outer	4	1987	R1	322	66	2	1986
1725	outer	4	1988	R1	324	67	2	1987
1724	inner	4	1989	R1	325	68	2	1988
1722	inner	4	1990	R1	327	69	2	1989
1723	outer	4	1991	R1	326	70	2	1990
1721	outer	4	1992	R1	328	71	2	1991
1720	inner	4	1993	R1	329	72	2	1992
1718	inner	4	1994	R1	331	73	2	1993
1719	outer	4	1995	R1	330	74	2	1994
1717	outer	4	1996	R1	332	75	2	1995
1716	inner	4	1997	R1	333	76	2	1996
1714	inner	4	1998	R1	335	77	2	1997
1715	outer	4	1999	R1	334	78	2	1998
1713	outer	4	2000	R1	336	79	2	1999
1712	inner	4	2001	R1	337	80	2	2000
1710	inner	4	2002	R1	339	81	2	2001
1711	outer	4	2003	R1	338	82	2	2002
1709	outer	4	2004	R1	340	83	2	2003
1708	inner	4	2005	R1	341	84	2	2004
1706	inner	4	2006	R1	343	85	2	2005
1707	outer	4	2007	R1	342	86	2	2006
1705	outer	4	2008	R1	344	87	2	2007
1704	inner	4	2009	R1	345	88	2	2008
1702	inner	4	2010	R1	347	89	2	2009
1703	outer	4	2011	R1	346	90	2	2010
1701	outer	4	2012	R1	348	91	2	2011
1700	inner	4	2013	R1	349	92	2	2012
1698	inner	4	2014	R1	351	93	2	2013
1699	outer	4	2015	R1	350	94	2	2014
1697	outer	4	2016	R1	352	95	2	2015
1696	inner	4	2017	R1	353	96	2	2016
1694	inner	4	2018	R1	355	97	2	2017
1695	outer	4	2019	R1	354	98	2	2018
1693	outer	4	2020	R1	356	99	2	2019
1692	inner	4	2021	R1	357	100	2	2020
1690	inner	4	2022	R1	359	101	2	2021
1691	outer	4	2023	R1	358	102	2	2022
1689	outer	4	2024	R1	360	103	2	2023
1688	inner	4	2025	R1	361	104	2	2024
1686	inner	4	2026	R1	363	105	2	2025
1687	outer	4	2027	R1	362	106	2	2026
1685	outer	4	2028	R1	364	107	2	2027

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1684	inner	4	2029	R1	365	108	2	2028
1682	inner	4	2030	R1	367	109	2	2029
1683	outer	4	2031	R1	366	110	2	2030
1681	outer	4	2032	R1	368	111	2	2031
1680	inner	4	2033	R1	369	112	2	2032
1678	inner	4	2034	R1	371	113	2	2033
1679	outer	4	2035	R1	370	114	2	2034
1677	outer	4	2036	R1	372	115	2	2035
1676	inner	4	2037	R1	373	116	2	2036
1674	inner	4	2038	R1	375	117	2	2037
1675	outer	4	2039	R1	374	118	2	2038
1673	outer	4	2040	R1	376	119	2	2039
1672	inner	4	2041	R1	377	120	2	2040
1670	inner	4	2042	R1	379	121	2	2041
1671	outer	4	2043	R1	378	122	2	2042
1669	outer	4	2044	R1	380	123	2	2043
1668	inner	4	2045	R1	381	124	2	2044
1666	inner	4	2046	R1	383	125	2	2045
1667	outer	4	2047	R1	382	126	2	2046
1665	outer	4	2048	R1	384	127	2	2047
1664	inner	4	1664	R1	385	0	3	1663
1662	inner	4	1663	R1	387	1	3	1662
1663	outer	4	1662	R1	386	2	3	1661
1661	outer	4	1661	R1	388	3	3	1660
1660	inner	4	1660	R1	389	4	3	1659
1658	inner	4	1659	R1	391	5	3	1658
1659	outer	4	1658	R1	390	6	3	1657
1657	outer	4	1657	R1	392	7	3	1656
1656	inner	4	1656	R1	393	8	3	1655
1654	inner	4	1655	R1	395	9	3	1654
1655	outer	4	1654	R1	394	10	3	1653
1653	outer	4	1653	R1	396	11	3	1652
1652	inner	4	1652	R1	397	12	3	1651
1650	inner	4	1651	R1	399	13	3	1650
1651	outer	4	1650	R1	398	14	3	1649
1649	outer	4	1649	R1	400	15	3	1648
1648	inner	4	1648	R1	401	16	3	1647
1646	inner	4	1647	R1	403	17	3	1646
1647	outer	4	1646	R1	402	18	3	1645
1645	outer	4	1645	R1	404	19	3	1644
1644	inner	4	1644	R1	405	20	3	1643
1642	inner	4	1643	R1	407	21	3	1642
1643	outer	4	1642	R1	406	22	3	1641
1641	outer	4	1641	R1	408	23	3	1640
1640	inner	4	1640	R1	409	24	3	1639
1638	inner	4	1639	R1	411	25	3	1638
1639	outer	4	1638	R1	410	26	3	1637

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1637	outer	4	1637	R1	412	27	3	1636
1636	inner	4	1636	R1	413	28	3	1635
1634	inner	4	1635	R1	415	29	3	1634
1635	outer	4	1634	R1	414	30	3	1633
1633	outer	4	1633	R1	416	31	3	1632
1632	inner	4	1632	R1	417	32	3	1631
1630	inner	4	1631	R1	419	33	3	1630
1631	outer	4	1630	R1	418	34	3	1629
1629	outer	4	1629	R1	420	35	3	1628
1628	inner	4	1628	R1	421	36	3	1627
1626	inner	4	1627	R1	423	37	3	1626
1627	outer	4	1626	R1	422	38	3	1625
1625	outer	4	1625	R1	424	39	3	1624
1624	inner	4	1624	R1	425	40	3	1623
1622	inner	4	1623	R1	427	41	3	1622
1623	outer	4	1622	R1	426	42	3	1621
1621	outer	4	1621	R1	428	43	3	1620
1620	inner	4	1620	R1	429	44	3	1619
1618	inner	4	1619	R1	431	45	3	1618
1619	outer	4	1618	R1	430	46	3	1617
1617	outer	4	1617	R1	432	47	3	1616
1616	inner	4	1616	R1	433	48	3	1615
1614	inner	4	1615	R1	435	49	3	1614
1615	outer	4	1614	R1	434	50	3	1613
1613	outer	4	1613	R1	436	51	3	1612
1612	inner	4	1612	R1	437	52	3	1611
1610	inner	4	1611	R1	439	53	3	1610
1611	outer	4	1610	R1	438	54	3	1609
1609	outer	4	1609	R1	440	55	3	1608
1608	inner	4	1608	R1	441	56	3	1607
1606	inner	4	1607	R1	443	57	3	1606
1607	outer	4	1606	R1	442	58	3	1605
1605	outer	4	1605	R1	444	59	3	1604
1604	inner	4	1604	R1	445	60	3	1603
1602	inner	4	1603	R1	447	61	3	1602
1603	outer	4	1602	R1	446	62	3	1601
1601	outer	4	1601	R1	448	63	3	1600
1600	inner	4	1600	R1	449	64	3	1599
1598	inner	4	1599	R1	451	65	3	1598
1599	outer	4	1598	R1	450	66	3	1597
1597	outer	4	1597	R1	452	67	3	1596
1596	inner	4	1596	R1	453	68	3	1595
1594	inner	4	1595	R1	455	69	3	1594
1595	outer	4	1594	R1	454	70	3	1593
1593	outer	4	1593	R1	456	71	3	1592
1592	inner	4	1592	R1	457	72	3	1591
1590	inner	4	1591	R1	459	73	3	1590

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1591	outer	4	1590	R1	458	74	3	1589
1589	outer	4	1589	R1	460	75	3	1588
1588	inner	4	1588	R1	461	76	3	1587
1586	inner	4	1587	R1	463	77	3	1586
1587	outer	4	1586	R1	462	78	3	1585
1585	outer	4	1585	R1	464	79	3	1584
1584	inner	4	1584	R1	465	80	3	1583
1582	inner	4	1583	R1	467	81	3	1582
1583	outer	4	1582	R1	466	82	3	1581
1581	outer	4	1581	R1	468	83	3	1580
1580	inner	4	1580	R1	469	84	3	1579
1578	inner	4	1579	R1	471	85	3	1578
1579	outer	4	1578	R1	470	86	3	1577
1577	outer	4	1577	R1	472	87	3	1576
1576	inner	4	1576	R1	473	88	3	1575
1574	inner	4	1575	R1	475	89	3	1574
1575	outer	4	1574	R1	474	90	3	1573
1573	outer	4	1573	R1	476	91	3	1572
1572	inner	4	1572	R1	477	92	3	1571
1570	inner	4	1571	R1	479	93	3	1570
1571	outer	4	1570	R1	478	94	3	1569
1569	outer	4	1569	R1	480	95	3	1568
1568	inner	4	1568	R1	481	96	3	1567
1566	inner	4	1567	R1	483	97	3	1566
1567	outer	4	1566	R1	482	98	3	1565
1565	outer	4	1565	R1	484	99	3	1564
1564	inner	4	1564	R1	485	100	3	1563
1562	inner	4	1563	R1	487	101	3	1562
1563	outer	4	1562	R1	486	102	3	1561
1561	outer	4	1561	R1	488	103	3	1560
1560	inner	4	1560	R1	489	104	3	1559
1558	inner	4	1559	R1	491	105	3	1558
1559	outer	4	1558	R1	490	106	3	1557
1557	outer	4	1557	R1	492	107	3	1556
1556	inner	4	1556	R1	493	108	3	1555
1554	inner	4	1555	R1	495	109	3	1554
1555	outer	4	1554	R1	494	110	3	1553
1553	outer	4	1553	R1	496	111	3	1552
1552	inner	4	1552	R1	497	112	3	1551
1550	inner	4	1551	R1	499	113	3	1550
1551	outer	4	1550	R1	498	114	3	1549
1549	outer	4	1549	R1	500	115	3	1548
1548	inner	4	1548	R1	501	116	3	1547
1546	inner	4	1547	R1	503	117	3	1546
1547	outer	4	1546	R1	502	118	3	1545
1545	outer	4	1545	R1	504	119	3	1544
1544	inner	4	1544	R1	505	120	3	1543

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1542	inner	4	1543	R1	507	121	3	1542
1543	outer	4	1542	R1	506	122	3	1541
1541	outer	4	1541	R1	508	123	3	1540
1540	inner	4	1540	R1	509	124	3	1539
1538	inner	4	1539	R1	511	125	3	1538
1539	outer	4	1538	R1	510	126	3	1537
1537	outer	4	1537	R1	512	127	3	1536
1536	inner	3	1025	R2	1	0	4	1024
1534	inner	3	1026	R2	3	1	4	1025
1535	outer	3	1027	R2	2	2	4	1026
1533	outer	3	1028	R2	4	3	4	1027
1532	inner	3	1029	R2	5	4	4	1028
1530	inner	3	1030	R2	7	5	4	1029
1531	outer	3	1031	R2	6	6	4	1030
1529	outer	3	1032	R2	8	7	4	1031
1528	inner	3	1033	R2	9	8	4	1032
1526	inner	3	1034	R2	11	9	4	1033
1527	outer	3	1035	R2	10	10	4	1034
1525	outer	3	1036	R2	12	11	4	1035
1524	inner	3	1037	R2	13	12	4	1036
1522	inner	3	1038	R2	15	13	4	1037
1523	outer	3	1039	R2	14	14	4	1038
1521	outer	3	1040	R2	16	15	4	1039
1520	inner	3	1041	R2	17	16	4	1040
1518	inner	3	1042	R2	19	17	4	1041
1519	outer	3	1043	R2	18	18	4	1042
1517	outer	3	1044	R2	20	19	4	1043
1516	inner	3	1045	R2	21	20	4	1044
1514	inner	3	1046	R2	23	21	4	1045
1515	outer	3	1047	R2	22	22	4	1046
1513	outer	3	1048	R2	24	23	4	1047
1512	inner	3	1049	R2	25	24	4	1048
1510	inner	3	1050	R2	27	25	4	1049
1511	outer	3	1051	R2	26	26	4	1050
1509	outer	3	1052	R2	28	27	4	1051
1508	inner	3	1053	R2	29	28	4	1052
1506	inner	3	1054	R2	31	29	4	1053
1507	outer	3	1055	R2	30	30	4	1054
1505	outer	3	1056	R2	32	31	4	1055
1504	inner	3	1057	R2	33	32	4	1056
1502	inner	3	1058	R2	35	33	4	1057
1503	outer	3	1059	R2	34	34	4	1058
1501	outer	3	1060	R2	36	35	4	1059
1500	inner	3	1061	R2	37	36	4	1060
1498	inner	3	1062	R2	39	37	4	1061
1499	outer	3	1063	R2	38	38	4	1062
1497	outer	3	1064	R2	40	39	4	1063

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1496	inner	3	1065	R2	41	40	4	1064
1494	inner	3	1066	R2	43	41	4	1065
1495	outer	3	1067	R2	42	42	4	1066
1493	outer	3	1068	R2	44	43	4	1067
1492	inner	3	1069	R2	45	44	4	1068
1490	inner	3	1070	R2	47	45	4	1069
1491	outer	3	1071	R2	46	46	4	1070
1489	outer	3	1072	R2	48	47	4	1071
1488	inner	3	1073	R2	49	48	4	1072
1486	inner	3	1074	R2	51	49	4	1073
1487	outer	3	1075	R2	50	50	4	1074
1485	outer	3	1076	R2	52	51	4	1075
1484	inner	3	1077	R2	53	52	4	1076
1482	inner	3	1078	R2	55	53	4	1077
1483	outer	3	1079	R2	54	54	4	1078
1481	outer	3	1080	R2	56	55	4	1079
1480	inner	3	1081	R2	57	56	4	1080
1478	inner	3	1082	R2	59	57	4	1081
1479	outer	3	1083	R2	58	58	4	1082
1477	outer	3	1084	R2	60	59	4	1083
1476	inner	3	1085	R2	61	60	4	1084
1474	inner	3	1086	R2	63	61	4	1085
1475	outer	3	1087	R2	62	62	4	1086
1473	outer	3	1088	R2	64	63	4	1087
1472	inner	3	1089	R2	65	64	4	1088
1470	inner	3	1090	R2	67	65	4	1089
1471	outer	3	1091	R2	66	66	4	1090
1469	outer	3	1092	R2	68	67	4	1091
1468	inner	3	1093	R2	69	68	4	1092
1466	inner	3	1094	R2	71	69	4	1093
1467	outer	3	1095	R2	70	70	4	1094
1465	outer	3	1096	R2	72	71	4	1095
1464	inner	3	1097	R2	73	72	4	1096
1462	inner	3	1098	R2	75	73	4	1097
1463	outer	3	1099	R2	74	74	4	1098
1461	outer	3	1100	R2	76	75	4	1099
1460	inner	3	1101	R2	77	76	4	1100
1458	inner	3	1102	R2	79	77	4	1101
1459	outer	3	1103	R2	78	78	4	1102
1457	outer	3	1104	R2	80	79	4	1103
1456	inner	3	1105	R2	81	80	4	1104
1454	inner	3	1106	R2	83	81	4	1105
1455	outer	3	1107	R2	82	82	4	1106
1453	outer	3	1108	R2	84	83	4	1107
1452	inner	3	1109	R2	85	84	4	1108
1450	inner	3	1110	R2	87	85	4	1109
1451	outer	3	1111	R2	86	86	4	1110

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1449	outer	3	1112	R2	88	87	4	1111
1448	inner	3	1113	R2	89	88	4	1112
1446	inner	3	1114	R2	91	89	4	1113
1447	outer	3	1115	R2	90	90	4	1114
1445	outer	3	1116	R2	92	91	4	1115
1444	inner	3	1117	R2	93	92	4	1116
1442	inner	3	1118	R2	95	93	4	1117
1443	outer	3	1119	R2	94	94	4	1118
1441	outer	3	1120	R2	96	95	4	1119
1440	inner	3	1121	R2	97	96	4	1120
1438	inner	3	1122	R2	99	97	4	1121
1439	outer	3	1123	R2	98	98	4	1122
1437	outer	3	1124	R2	100	99	4	1123
1436	inner	3	1125	R2	101	100	4	1124
1434	inner	3	1126	R2	103	101	4	1125
1435	outer	3	1127	R2	102	102	4	1126
1433	outer	3	1128	R2	104	103	4	1127
1432	inner	3	1129	R2	105	104	4	1128
1430	inner	3	1130	R2	107	105	4	1129
1431	outer	3	1131	R2	106	106	4	1130
1429	outer	3	1132	R2	108	107	4	1131
1428	inner	3	1133	R2	109	108	4	1132
1426	inner	3	1134	R2	111	109	4	1133
1427	outer	3	1135	R2	110	110	4	1134
1425	outer	3	1136	R2	112	111	4	1135
1424	inner	3	1137	R2	113	112	4	1136
1422	inner	3	1138	R2	115	113	4	1137
1423	outer	3	1139	R2	114	114	4	1138
1421	outer	3	1140	R2	116	115	4	1139
1420	inner	3	1141	R2	117	116	4	1140
1418	inner	3	1142	R2	119	117	4	1141
1419	outer	3	1143	R2	118	118	4	1142
1417	outer	3	1144	R2	120	119	4	1143
1416	inner	3	1145	R2	121	120	4	1144
1414	inner	3	1146	R2	123	121	4	1145
1415	outer	3	1147	R2	122	122	4	1146
1413	outer	3	1148	R2	124	123	4	1147
1412	inner	3	1149	R2	125	124	4	1148
1410	inner	3	1150	R2	127	125	4	1149
1411	outer	3	1151	R2	126	126	4	1150
1409	outer	3	1152	R2	128	127	4	1151
1408	inner	3	1536	R2	129	0	5	1535
1406	inner	3	1535	R2	131	1	5	1534
1407	outer	3	1534	R2	130	2	5	1533
1405	outer	3	1533	R2	132	3	5	1532
1404	inner	3	1532	R2	133	4	5	1531
1402	inner	3	1531	R2	135	5	5	1530

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1403	outer	3	1530	R2	134	6	5	1529
1401	outer	3	1529	R2	136	7	5	1528
1400	inner	3	1528	R2	137	8	5	1527
1398	inner	3	1527	R2	139	9	5	1526
1399	outer	3	1526	R2	138	10	5	1525
1397	outer	3	1525	R2	140	11	5	1524
1396	inner	3	1524	R2	141	12	5	1523
1394	inner	3	1523	R2	143	13	5	1522
1395	outer	3	1522	R2	142	14	5	1521
1393	outer	3	1521	R2	144	15	5	1520
1392	inner	3	1520	R2	145	16	5	1519
1390	inner	3	1519	R2	147	17	5	1518
1391	outer	3	1518	R2	146	18	5	1517
1389	outer	3	1517	R2	148	19	5	1516
1388	inner	3	1516	R2	149	20	5	1515
1386	inner	3	1515	R2	151	21	5	1514
1387	outer	3	1514	R2	150	22	5	1513
1385	outer	3	1513	R2	152	23	5	1512
1384	inner	3	1512	R2	153	24	5	1511
1382	inner	3	1511	R2	155	25	5	1510
1383	outer	3	1510	R2	154	26	5	1509
1381	outer	3	1509	R2	156	27	5	1508
1380	inner	3	1508	R2	157	28	5	1507
1378	inner	3	1507	R2	159	29	5	1506
1379	outer	3	1506	R2	158	30	5	1505
1377	outer	3	1505	R2	160	31	5	1504
1376	inner	3	1504	R2	161	32	5	1503
1374	inner	3	1503	R2	163	33	5	1502
1375	outer	3	1502	R2	162	34	5	1501
1373	outer	3	1501	R2	164	35	5	1500
1372	inner	3	1500	R2	165	36	5	1499
1370	inner	3	1499	R2	167	37	5	1498
1371	outer	3	1498	R2	166	38	5	1497
1369	outer	3	1497	R2	168	39	5	1496
1368	inner	3	1496	R2	169	40	5	1495
1366	inner	3	1495	R2	171	41	5	1494
1367	outer	3	1494	R2	170	42	5	1493
1365	outer	3	1493	R2	172	43	5	1492
1364	inner	3	1492	R2	173	44	5	1491
1362	inner	3	1491	R2	175	45	5	1490
1363	outer	3	1490	R2	174	46	5	1489
1361	outer	3	1489	R2	176	47	5	1488
1360	inner	3	1488	R2	177	48	5	1487
1358	inner	3	1487	R2	179	49	5	1486
1359	outer	3	1486	R2	178	50	5	1485
1357	outer	3	1485	R2	180	51	5	1484
1356	inner	3	1484	R2	181	52	5	1483

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1354	inner	3	1483	R2	183	53	5	1482
1355	outer	3	1482	R2	182	54	5	1481
1353	outer	3	1481	R2	184	55	5	1480
1352	inner	3	1480	R2	185	56	5	1479
1350	inner	3	1479	R2	187	57	5	1478
1351	outer	3	1478	R2	186	58	5	1477
1349	outer	3	1477	R2	188	59	5	1476
1348	inner	3	1476	R2	189	60	5	1475
1346	inner	3	1475	R2	191	61	5	1474
1347	outer	3	1474	R2	190	62	5	1473
1345	outer	3	1473	R2	192	63	5	1472
1344	inner	3	1472	R2	193	64	5	1471
1342	inner	3	1471	R2	195	65	5	1470
1343	outer	3	1470	R2	194	66	5	1469
1341	outer	3	1469	R2	196	67	5	1468
1340	inner	3	1468	R2	197	68	5	1467
1338	inner	3	1467	R2	199	69	5	1466
1339	outer	3	1466	R2	198	70	5	1465
1337	outer	3	1465	R2	200	71	5	1464
1336	inner	3	1464	R2	201	72	5	1463
1334	inner	3	1463	R2	203	73	5	1462
1335	outer	3	1462	R2	202	74	5	1461
1333	outer	3	1461	R2	204	75	5	1460
1332	inner	3	1460	R2	205	76	5	1459
1330	inner	3	1459	R2	207	77	5	1458
1331	outer	3	1458	R2	206	78	5	1457
1329	outer	3	1457	R2	208	79	5	1456
1328	inner	3	1456	R2	209	80	5	1455
1326	inner	3	1455	R2	211	81	5	1454
1327	outer	3	1454	R2	210	82	5	1453
1325	outer	3	1453	R2	212	83	5	1452
1324	inner	3	1452	R2	213	84	5	1451
1322	inner	3	1451	R2	215	85	5	1450
1323	outer	3	1450	R2	214	86	5	1449
1321	outer	3	1449	R2	216	87	5	1448
1320	inner	3	1448	R2	217	88	5	1447
1318	inner	3	1447	R2	219	89	5	1446
1319	outer	3	1446	R2	218	90	5	1445
1317	outer	3	1445	R2	220	91	5	1444
1316	inner	3	1444	R2	221	92	5	1443
1314	inner	3	1443	R2	223	93	5	1442
1315	outer	3	1442	R2	222	94	5	1441
1313	outer	3	1441	R2	224	95	5	1440
1312	inner	3	1440	R2	225	96	5	1439
1310	inner	3	1439	R2	227	97	5	1438
1311	outer	3	1438	R2	226	98	5	1437
1309	outer	3	1437	R2	228	99	5	1436

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1308	inner	3	1436	R2	229	100	5	1435
1306	inner	3	1435	R2	231	101	5	1434
1307	outer	3	1434	R2	230	102	5	1433
1305	outer	3	1433	R2	232	103	5	1432
1304	inner	3	1432	R2	233	104	5	1431
1302	inner	3	1431	R2	235	105	5	1430
1303	outer	3	1430	R2	234	106	5	1429
1301	outer	3	1429	R2	236	107	5	1428
1300	inner	3	1428	R2	237	108	5	1427
1298	inner	3	1427	R2	239	109	5	1426
1299	outer	3	1426	R2	238	110	5	1425
1297	outer	3	1425	R2	240	111	5	1424
1296	inner	3	1424	R2	241	112	5	1423
1294	inner	3	1423	R2	243	113	5	1422
1295	outer	3	1422	R2	242	114	5	1421
1293	outer	3	1421	R2	244	115	5	1420
1292	inner	3	1420	R2	245	116	5	1419
1290	inner	3	1419	R2	247	117	5	1418
1291	outer	3	1418	R2	246	118	5	1417
1289	outer	3	1417	R2	248	119	5	1416
1288	inner	3	1416	R2	249	120	5	1415
1286	inner	3	1415	R2	251	121	5	1414
1287	outer	3	1414	R2	250	122	5	1413
1285	outer	3	1413	R2	252	123	5	1412
1284	inner	3	1412	R2	253	124	5	1411
1282	inner	3	1411	R2	255	125	5	1410
1283	outer	3	1410	R2	254	126	5	1409
1281	outer	3	1409	R2	256	127	5	1408
1280	inner	3	1408	R2	257	0	6	1407
1278	inner	3	1407	R2	259	1	6	1406
1279	outer	3	1406	R2	258	2	6	1405
1277	outer	3	1405	R2	260	3	6	1404
1276	inner	3	1404	R2	261	4	6	1403
1274	inner	3	1403	R2	263	5	6	1402
1275	outer	3	1402	R2	262	6	6	1401
1273	outer	3	1401	R2	264	7	6	1400
1272	inner	3	1400	R2	265	8	6	1399
1270	inner	3	1399	R2	267	9	6	1398
1271	outer	3	1398	R2	266	10	6	1397
1269	outer	3	1397	R2	268	11	6	1396
1268	inner	3	1396	R2	269	12	6	1395
1266	inner	3	1395	R2	271	13	6	1394
1267	outer	3	1394	R2	270	14	6	1393
1265	outer	3	1393	R2	272	15	6	1392
1264	inner	3	1392	R2	273	16	6	1391
1262	inner	3	1391	R2	275	17	6	1390
1263	outer	3	1390	R2	274	18	6	1389

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1261	outer	3	1389	R2	276	19	6	1388
1260	inner	3	1388	R2	277	20	6	1387
1258	inner	3	1387	R2	279	21	6	1386
1259	outer	3	1386	R2	278	22	6	1385
1257	outer	3	1385	R2	280	23	6	1384
1256	inner	3	1384	R2	281	24	6	1383
1254	inner	3	1383	R2	283	25	6	1382
1255	outer	3	1382	R2	282	26	6	1381
1253	outer	3	1381	R2	284	27	6	1380
1252	inner	3	1380	R2	285	28	6	1379
1250	inner	3	1379	R2	287	29	6	1378
1251	outer	3	1378	R2	286	30	6	1377
1249	outer	3	1377	R2	288	31	6	1376
1248	inner	3	1376	R2	289	32	6	1375
1246	inner	3	1375	R2	291	33	6	1374
1247	outer	3	1374	R2	290	34	6	1373
1245	outer	3	1373	R2	292	35	6	1372
1244	inner	3	1372	R2	293	36	6	1371
1242	inner	3	1371	R2	295	37	6	1370
1243	outer	3	1370	R2	294	38	6	1369
1241	outer	3	1369	R2	296	39	6	1368
1240	inner	3	1368	R2	297	40	6	1367
1238	inner	3	1367	R2	299	41	6	1366
1239	outer	3	1366	R2	298	42	6	1365
1237	outer	3	1365	R2	300	43	6	1364
1236	inner	3	1364	R2	301	44	6	1363
1234	inner	3	1363	R2	303	45	6	1362
1235	outer	3	1362	R2	302	46	6	1361
1233	outer	3	1361	R2	304	47	6	1360
1232	inner	3	1360	R2	305	48	6	1359
1230	inner	3	1359	R2	307	49	6	1358
1231	outer	3	1358	R2	306	50	6	1357
1229	outer	3	1357	R2	308	51	6	1356
1228	inner	3	1356	R2	309	52	6	1355
1226	inner	3	1355	R2	311	53	6	1354
1227	outer	3	1354	R2	310	54	6	1353
1225	outer	3	1353	R2	312	55	6	1352
1224	inner	3	1352	R2	313	56	6	1351
1222	inner	3	1351	R2	315	57	6	1350
1223	outer	3	1350	R2	314	58	6	1349
1221	outer	3	1349	R2	316	59	6	1348
1220	inner	3	1348	R2	317	60	6	1347
1218	inner	3	1347	R2	319	61	6	1346
1219	outer	3	1346	R2	318	62	6	1345
1217	outer	3	1345	R2	320	63	6	1344
1216	inner	3	1344	R2	321	64	6	1343
1214	inner	3	1343	R2	323	65	6	1342

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1215	outer	3	1342	R2	322	66	6	1341
1213	outer	3	1341	R2	324	67	6	1340
1212	inner	3	1340	R2	325	68	6	1339
1210	inner	3	1339	R2	327	69	6	1338
1211	outer	3	1338	R2	326	70	6	1337
1209	outer	3	1337	R2	328	71	6	1336
1208	inner	3	1336	R2	329	72	6	1335
1206	inner	3	1335	R2	331	73	6	1334
1207	outer	3	1334	R2	330	74	6	1333
1205	outer	3	1333	R2	332	75	6	1332
1204	inner	3	1332	R2	333	76	6	1331
1202	inner	3	1331	R2	335	77	6	1330
1203	outer	3	1330	R2	334	78	6	1329
1201	outer	3	1329	R2	336	79	6	1328
1200	inner	3	1328	R2	337	80	6	1327
1198	inner	3	1327	R2	339	81	6	1326
1199	outer	3	1326	R2	338	82	6	1325
1197	outer	3	1325	R2	340	83	6	1324
1196	inner	3	1324	R2	341	84	6	1323
1194	inner	3	1323	R2	343	85	6	1322
1195	outer	3	1322	R2	342	86	6	1321
1193	outer	3	1321	R2	344	87	6	1320
1192	inner	3	1320	R2	345	88	6	1319
1190	inner	3	1319	R2	347	89	6	1318
1191	outer	3	1318	R2	346	90	6	1317
1189	outer	3	1317	R2	348	91	6	1316
1188	inner	3	1316	R2	349	92	6	1315
1186	inner	3	1315	R2	351	93	6	1314
1187	outer	3	1314	R2	350	94	6	1313
1185	outer	3	1313	R2	352	95	6	1312
1184	inner	3	1312	R2	353	96	6	1311
1182	inner	3	1311	R2	355	97	6	1310
1183	outer	3	1310	R2	354	98	6	1309
1181	outer	3	1309	R2	356	99	6	1308
1180	inner	3	1308	R2	357	100	6	1307
1178	inner	3	1307	R2	359	101	6	1306
1179	outer	3	1306	R2	358	102	6	1305
1177	outer	3	1305	R2	360	103	6	1304
1176	inner	3	1304	R2	361	104	6	1303
1174	inner	3	1303	R2	363	105	6	1302
1175	outer	3	1302	R2	362	106	6	1301
1173	outer	3	1301	R2	364	107	6	1300
1172	inner	3	1300	R2	365	108	6	1299
1170	inner	3	1299	R2	367	109	6	1298
1171	outer	3	1298	R2	366	110	6	1297
1169	outer	3	1297	R2	368	111	6	1296
1168	inner	3	1296	R2	369	112	6	1295

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1166	inner	3	1295	R2	371	113	6	1294
1167	outer	3	1294	R2	370	114	6	1293
1165	outer	3	1293	R2	372	115	6	1292
1164	inner	3	1292	R2	373	116	6	1291
1162	inner	3	1291	R2	375	117	6	1290
1163	outer	3	1290	R2	374	118	6	1289
1161	outer	3	1289	R2	376	119	6	1288
1160	inner	3	1288	R2	377	120	6	1287
1158	inner	3	1287	R2	379	121	6	1286
1159	outer	3	1286	R2	378	122	6	1285
1157	outer	3	1285	R2	380	123	6	1284
1156	inner	3	1284	R2	381	124	6	1283
1154	inner	3	1283	R2	383	125	6	1282
1155	outer	3	1282	R2	382	126	6	1281
1153	outer	3	1281	R2	384	127	6	1280
1152	inner	3	1280	R2	385	0	7	1279
1150	inner	3	1279	R2	387	1	7	1278
1151	outer	3	1278	R2	386	2	7	1277
1149	outer	3	1277	R2	388	3	7	1276
1148	inner	3	1276	R2	389	4	7	1275
1146	inner	3	1275	R2	391	5	7	1274
1147	outer	3	1274	R2	390	6	7	1273
1145	outer	3	1273	R2	392	7	7	1272
1144	inner	3	1272	R2	393	8	7	1271
1142	inner	3	1271	R2	395	9	7	1270
1143	outer	3	1270	R2	394	10	7	1269
1141	outer	3	1269	R2	396	11	7	1268
1140	inner	3	1268	R2	397	12	7	1267
1138	inner	3	1267	R2	399	13	7	1266
1139	outer	3	1266	R2	398	14	7	1265
1137	outer	3	1265	R2	400	15	7	1264
1136	inner	3	1264	R2	401	16	7	1263
1134	inner	3	1263	R2	403	17	7	1262
1135	outer	3	1262	R2	402	18	7	1261
1133	outer	3	1261	R2	404	19	7	1260
1132	inner	3	1260	R2	405	20	7	1259
1130	inner	3	1259	R2	407	21	7	1258
1131	outer	3	1258	R2	406	22	7	1257
1129	outer	3	1257	R2	408	23	7	1256
1128	inner	3	1256	R2	409	24	7	1255
1126	inner	3	1255	R2	411	25	7	1254
1127	outer	3	1254	R2	410	26	7	1253
1125	outer	3	1253	R2	412	27	7	1252
1124	inner	3	1252	R2	413	28	7	1251
1122	inner	3	1251	R2	415	29	7	1250
1123	outer	3	1250	R2	414	30	7	1249
1121	outer	3	1249	R2	416	31	7	1248

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1120	inner	3	1248	R2	417	32	7	1247
1118	inner	3	1247	R2	419	33	7	1246
1119	outer	3	1246	R2	418	34	7	1245
1117	outer	3	1245	R2	420	35	7	1244
1116	inner	3	1244	R2	421	36	7	1243
1114	inner	3	1243	R2	423	37	7	1242
1115	outer	3	1242	R2	422	38	7	1241
1113	outer	3	1241	R2	424	39	7	1240
1112	inner	3	1240	R2	425	40	7	1239
1110	inner	3	1239	R2	427	41	7	1238
1111	outer	3	1238	R2	426	42	7	1237
1109	outer	3	1237	R2	428	43	7	1236
1108	inner	3	1236	R2	429	44	7	1235
1106	inner	3	1235	R2	431	45	7	1234
1107	outer	3	1234	R2	430	46	7	1233
1105	outer	3	1233	R2	432	47	7	1232
1104	inner	3	1232	R2	433	48	7	1231
1102	inner	3	1231	R2	435	49	7	1230
1103	outer	3	1230	R2	434	50	7	1229
1101	outer	3	1229	R2	436	51	7	1228
1100	inner	3	1228	R2	437	52	7	1227
1098	inner	3	1227	R2	439	53	7	1226
1099	outer	3	1226	R2	438	54	7	1225
1097	outer	3	1225	R2	440	55	7	1224
1096	inner	3	1224	R2	441	56	7	1223
1094	inner	3	1223	R2	443	57	7	1222
1095	outer	3	1222	R2	442	58	7	1221
1093	outer	3	1221	R2	444	59	7	1220
1092	inner	3	1220	R2	445	60	7	1219
1090	inner	3	1219	R2	447	61	7	1218
1091	outer	3	1218	R2	446	62	7	1217
1089	outer	3	1217	R2	448	63	7	1216
1088	inner	3	1216	R2	449	64	7	1215
1086	inner	3	1215	R2	451	65	7	1214
1087	outer	3	1214	R2	450	66	7	1213
1085	outer	3	1213	R2	452	67	7	1212
1084	inner	3	1212	R2	453	68	7	1211
1082	inner	3	1211	R2	455	69	7	1210
1083	outer	3	1210	R2	454	70	7	1209
1081	outer	3	1209	R2	456	71	7	1208
1080	inner	3	1208	R2	457	72	7	1207
1078	inner	3	1207	R2	459	73	7	1206
1079	outer	3	1206	R2	458	74	7	1205
1077	outer	3	1205	R2	460	75	7	1204
1076	inner	3	1204	R2	461	76	7	1203
1074	inner	3	1203	R2	463	77	7	1202
1075	outer	3	1202	R2	462	78	7	1201

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1073	outer	3	1201	R2	464	79	7	1200
1072	inner	3	1200	R2	465	80	7	1199
1070	inner	3	1199	R2	467	81	7	1198
1071	outer	3	1198	R2	466	82	7	1197
1069	outer	3	1197	R2	468	83	7	1196
1068	inner	3	1196	R2	469	84	7	1195
1066	inner	3	1195	R2	471	85	7	1194
1067	outer	3	1194	R2	470	86	7	1193
1065	outer	3	1193	R2	472	87	7	1192
1064	inner	3	1192	R2	473	88	7	1191
1062	inner	3	1191	R2	475	89	7	1190
1063	outer	3	1190	R2	474	90	7	1189
1061	outer	3	1189	R2	476	91	7	1188
1060	inner	3	1188	R2	477	92	7	1187
1058	inner	3	1187	R2	479	93	7	1186
1059	outer	3	1186	R2	478	94	7	1185
1057	outer	3	1185	R2	480	95	7	1184
1056	inner	3	1184	R2	481	96	7	1183
1054	inner	3	1183	R2	483	97	7	1182
1055	outer	3	1182	R2	482	98	7	1181
1053	outer	3	1181	R2	484	99	7	1180
1052	inner	3	1180	R2	485	100	7	1179
1050	inner	3	1179	R2	487	101	7	1178
1051	outer	3	1178	R2	486	102	7	1177
1049	outer	3	1177	R2	488	103	7	1176
1048	inner	3	1176	R2	489	104	7	1175
1046	inner	3	1175	R2	491	105	7	1174
1047	outer	3	1174	R2	490	106	7	1173
1045	outer	3	1173	R2	492	107	7	1172
1044	inner	3	1172	R2	493	108	7	1171
1042	inner	3	1171	R2	495	109	7	1170
1043	outer	3	1170	R2	494	110	7	1169
1041	outer	3	1169	R2	496	111	7	1168
1040	inner	3	1168	R2	497	112	7	1167
1038	inner	3	1167	R2	499	113	7	1166
1039	outer	3	1166	R2	498	114	7	1165
1037	outer	3	1165	R2	500	115	7	1164
1036	inner	3	1164	R2	501	116	7	1163
1034	inner	3	1163	R2	503	117	7	1162
1035	outer	3	1162	R2	502	118	7	1161
1033	outer	3	1161	R2	504	119	7	1160
1032	inner	3	1160	R2	505	120	7	1159
1030	inner	3	1159	R2	507	121	7	1158
1031	outer	3	1158	R2	506	122	7	1157
1029	outer	3	1157	R2	508	123	7	1156
1028	inner	3	1156	R2	509	124	7	1155
1026	inner	3	1155	R2	511	125	7	1154

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
1027	outer	3	1154	R2	510	126	7	1153
1025	outer	3	1153	R2	512	127	7	1152
1024	inner	2	641	R3	1	0	8	640
1022	inner	2	642	R3	3	1	8	641
1023	outer	2	643	R3	2	2	8	642
1021	outer	2	644	R3	4	3	8	643
1020	inner	2	645	R3	5	4	8	644
1018	inner	2	646	R3	7	5	8	645
1019	outer	2	647	R3	6	6	8	646
1017	outer	2	648	R3	8	7	8	647
1016	inner	2	649	R3	9	8	8	648
1014	inner	2	650	R3	11	9	8	649
1015	outer	2	651	R3	10	10	8	650
1013	outer	2	652	R3	12	11	8	651
1012	inner	2	653	R3	13	12	8	652
1010	inner	2	654	R3	15	13	8	653
1011	outer	2	655	R3	14	14	8	654
1009	outer	2	656	R3	16	15	8	655
1008	inner	2	657	R3	17	16	8	656
1006	inner	2	658	R3	19	17	8	657
1007	outer	2	659	R3	18	18	8	658
1005	outer	2	660	R3	20	19	8	659
1004	inner	2	661	R3	21	20	8	660
1002	inner	2	662	R3	23	21	8	661
1003	outer	2	663	R3	22	22	8	662
1001	outer	2	664	R3	24	23	8	663
1000	inner	2	665	R3	25	24	8	664
998	inner	2	666	R3	27	25	8	665
999	outer	2	667	R3	26	26	8	666
997	outer	2	668	R3	28	27	8	667
996	inner	2	669	R3	29	28	8	668
994	inner	2	670	R3	31	29	8	669
995	outer	2	671	R3	30	30	8	670
993	outer	2	672	R3	32	31	8	671
992	inner	2	673	R3	33	32	8	672
990	inner	2	674	R3	35	33	8	673
991	outer	2	675	R3	34	34	8	674
989	outer	2	676	R3	36	35	8	675
988	inner	2	677	R3	37	36	8	676
986	inner	2	678	R3	39	37	8	677
987	outer	2	679	R3	38	38	8	678
985	outer	2	680	R3	40	39	8	679
984	inner	2	681	R3	41	40	8	680
982	inner	2	682	R3	43	41	8	681
983	outer	2	683	R3	42	42	8	682
981	outer	2	684	R3	44	43	8	683
980	inner	2	685	R3	45	44	8	684

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
978	inner	2	686	R3	47	45	8	685
979	outer	2	687	R3	46	46	8	686
977	outer	2	688	R3	48	47	8	687
976	inner	2	689	R3	49	48	8	688
974	inner	2	690	R3	51	49	8	689
975	outer	2	691	R3	50	50	8	690
973	outer	2	692	R3	52	51	8	691
972	inner	2	693	R3	53	52	8	692
970	inner	2	694	R3	55	53	8	693
971	outer	2	695	R3	54	54	8	694
969	outer	2	696	R3	56	55	8	695
968	inner	2	697	R3	57	56	8	696
966	inner	2	698	R3	59	57	8	697
967	outer	2	699	R3	58	58	8	698
965	outer	2	700	R3	60	59	8	699
964	inner	2	701	R3	61	60	8	700
962	inner	2	702	R3	63	61	8	701
963	outer	2	703	R3	62	62	8	702
961	outer	2	704	R3	64	63	8	703
960	inner	2	705	R3	65	64	8	704
958	inner	2	706	R3	67	65	8	705
959	outer	2	707	R3	66	66	8	706
957	outer	2	708	R3	68	67	8	707
956	inner	2	709	R3	69	68	8	708
954	inner	2	710	R3	71	69	8	709
955	outer	2	711	R3	70	70	8	710
953	outer	2	712	R3	72	71	8	711
952	inner	2	713	R3	73	72	8	712
950	inner	2	714	R3	75	73	8	713
951	outer	2	715	R3	74	74	8	714
949	outer	2	716	R3	76	75	8	715
948	inner	2	717	R3	77	76	8	716
946	inner	2	718	R3	79	77	8	717
947	outer	2	719	R3	78	78	8	718
945	outer	2	720	R3	80	79	8	719
944	inner	2	721	R3	81	80	8	720
942	inner	2	722	R3	83	81	8	721
943	outer	2	723	R3	82	82	8	722
941	outer	2	724	R3	84	83	8	723
940	inner	2	725	R3	85	84	8	724
938	inner	2	726	R3	87	85	8	725
939	outer	2	727	R3	86	86	8	726
937	outer	2	728	R3	88	87	8	727
936	inner	2	729	R3	89	88	8	728
934	inner	2	730	R3	91	89	8	729
935	outer	2	731	R3	90	90	8	730
933	outer	2	732	R3	92	91	8	731

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
932	inner	2	733	R3	93	92	8	732
930	inner	2	734	R3	95	93	8	733
931	outer	2	735	R3	94	94	8	734
929	outer	2	736	R3	96	95	8	735
928	inner	2	737	R3	97	96	8	736
926	inner	2	738	R3	99	97	8	737
927	outer	2	739	R3	98	98	8	738
925	outer	2	740	R3	100	99	8	739
924	inner	2	741	R3	101	100	8	740
922	inner	2	742	R3	103	101	8	741
923	outer	2	743	R3	102	102	8	742
921	outer	2	744	R3	104	103	8	743
920	inner	2	745	R3	105	104	8	744
918	inner	2	746	R3	107	105	8	745
919	outer	2	747	R3	106	106	8	746
917	outer	2	748	R3	108	107	8	747
916	inner	2	749	R3	109	108	8	748
914	inner	2	750	R3	111	109	8	749
915	outer	2	751	R3	110	110	8	750
913	outer	2	752	R3	112	111	8	751
912	inner	2	753	R3	113	112	8	752
910	inner	2	754	R3	115	113	8	753
911	outer	2	755	R3	114	114	8	754
909	outer	2	756	R3	116	115	8	755
908	inner	2	757	R3	117	116	8	756
906	inner	2	758	R3	119	117	8	757
907	outer	2	759	R3	118	118	8	758
905	outer	2	760	R3	120	119	8	759
904	inner	2	761	R3	121	120	8	760
902	inner	2	762	R3	123	121	8	761
903	outer	2	763	R3	122	122	8	762
901	outer	2	764	R3	124	123	8	763
900	inner	2	765	R3	125	124	8	764
898	inner	2	766	R3	127	125	8	765
899	outer	2	767	R3	126	126	8	766
897	outer	2	768	R3	128	127	8	767
896	inner	2	769	R3	129	0	9	768
894	inner	2	770	R3	131	1	9	769
895	outer	2	771	R3	130	2	9	770
893	outer	2	772	R3	132	3	9	771
892	inner	2	773	R3	133	4	9	772
890	inner	2	774	R3	135	5	9	773
891	outer	2	775	R3	134	6	9	774
889	outer	2	776	R3	136	7	9	775
888	inner	2	777	R3	137	8	9	776
886	inner	2	778	R3	139	9	9	777
887	outer	2	779	R3	138	10	9	778

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
885	outer	2	780	R3	140	11	9	779
884	inner	2	781	R3	141	12	9	780
882	inner	2	782	R3	143	13	9	781
883	outer	2	783	R3	142	14	9	782
881	outer	2	784	R3	144	15	9	783
880	inner	2	785	R3	145	16	9	784
878	inner	2	786	R3	147	17	9	785
879	outer	2	787	R3	146	18	9	786
877	outer	2	788	R3	148	19	9	787
876	inner	2	789	R3	149	20	9	788
874	inner	2	790	R3	151	21	9	789
875	outer	2	791	R3	150	22	9	790
873	outer	2	792	R3	152	23	9	791
872	inner	2	793	R3	153	24	9	792
870	inner	2	794	R3	155	25	9	793
871	outer	2	795	R3	154	26	9	794
869	outer	2	796	R3	156	27	9	795
868	inner	2	797	R3	157	28	9	796
866	inner	2	798	R3	159	29	9	797
867	outer	2	799	R3	158	30	9	798
865	outer	2	800	R3	160	31	9	799
864	inner	2	801	R3	161	32	9	800
862	inner	2	802	R3	163	33	9	801
863	outer	2	803	R3	162	34	9	802
861	outer	2	804	R3	164	35	9	803
860	inner	2	805	R3	165	36	9	804
858	inner	2	806	R3	167	37	9	805
859	outer	2	807	R3	166	38	9	806
857	outer	2	808	R3	168	39	9	807
856	inner	2	809	R3	169	40	9	808
854	inner	2	810	R3	171	41	9	809
855	outer	2	811	R3	170	42	9	810
853	outer	2	812	R3	172	43	9	811
852	inner	2	813	R3	173	44	9	812
850	inner	2	814	R3	175	45	9	813
851	outer	2	815	R3	174	46	9	814
849	outer	2	816	R3	176	47	9	815
848	inner	2	817	R3	177	48	9	816
846	inner	2	818	R3	179	49	9	817
847	outer	2	819	R3	178	50	9	818
845	outer	2	820	R3	180	51	9	819
844	inner	2	821	R3	181	52	9	820
842	inner	2	822	R3	183	53	9	821
843	outer	2	823	R3	182	54	9	822
841	outer	2	824	R3	184	55	9	823
840	inner	2	825	R3	185	56	9	824
838	inner	2	826	R3	187	57	9	825

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
839	outer	2	827	R3	186	58	9	826
837	outer	2	828	R3	188	59	9	827
836	inner	2	829	R3	189	60	9	828
834	inner	2	830	R3	191	61	9	829
835	outer	2	831	R3	190	62	9	830
833	outer	2	832	R3	192	63	9	831
832	inner	2	833	R3	193	64	9	832
830	inner	2	834	R3	195	65	9	833
831	outer	2	835	R3	194	66	9	834
829	outer	2	836	R3	196	67	9	835
828	inner	2	837	R3	197	68	9	836
826	inner	2	838	R3	199	69	9	837
827	outer	2	839	R3	198	70	9	838
825	outer	2	840	R3	200	71	9	839
824	inner	2	841	R3	201	72	9	840
822	inner	2	842	R3	203	73	9	841
823	outer	2	843	R3	202	74	9	842
821	outer	2	844	R3	204	75	9	843
820	inner	2	845	R3	205	76	9	844
818	inner	2	846	R3	207	77	9	845
819	outer	2	847	R3	206	78	9	846
817	outer	2	848	R3	208	79	9	847
816	inner	2	849	R3	209	80	9	848
814	inner	2	850	R3	211	81	9	849
815	outer	2	851	R3	210	82	9	850
813	outer	2	852	R3	212	83	9	851
812	inner	2	853	R3	213	84	9	852
810	inner	2	854	R3	215	85	9	853
811	outer	2	855	R3	214	86	9	854
809	outer	2	856	R3	216	87	9	855
808	inner	2	857	R3	217	88	9	856
806	inner	2	858	R3	219	89	9	857
807	outer	2	859	R3	218	90	9	858
805	outer	2	860	R3	220	91	9	859
804	inner	2	861	R3	221	92	9	860
802	inner	2	862	R3	223	93	9	861
803	outer	2	863	R3	222	94	9	862
801	outer	2	864	R3	224	95	9	863
800	inner	2	865	R3	225	96	9	864
798	inner	2	866	R3	227	97	9	865
799	outer	2	867	R3	226	98	9	866
797	outer	2	868	R3	228	99	9	867
796	inner	2	869	R3	229	100	9	868
794	inner	2	870	R3	231	101	9	869
795	outer	2	871	R3	230	102	9	870
793	outer	2	872	R3	232	103	9	871
792	inner	2	873	R3	233	104	9	872

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
790	inner	2	874	R3	235	105	9	873
791	outer	2	875	R3	234	106	9	874
789	outer	2	876	R3	236	107	9	875
788	inner	2	877	R3	237	108	9	876
786	inner	2	878	R3	239	109	9	877
787	outer	2	879	R3	238	110	9	878
785	outer	2	880	R3	240	111	9	879
784	inner	2	881	R3	241	112	9	880
782	inner	2	882	R3	243	113	9	881
783	outer	2	883	R3	242	114	9	882
781	outer	2	884	R3	244	115	9	883
780	inner	2	885	R3	245	116	9	884
778	inner	2	886	R3	247	117	9	885
779	outer	2	887	R3	246	118	9	886
777	outer	2	888	R3	248	119	9	887
776	inner	2	889	R3	249	120	9	888
774	inner	2	890	R3	251	121	9	889
775	outer	2	891	R3	250	122	9	890
773	outer	2	892	R3	252	123	9	891
772	inner	2	893	R3	253	124	9	892
770	inner	2	894	R3	255	125	9	893
771	outer	2	895	R3	254	126	9	894
769	outer	2	896	R3	256	127	9	895
768	inner	2	897	R3	257	0	10	896
766	inner	2	898	R3	259	1	10	897
767	outer	2	899	R3	258	2	10	898
765	outer	2	900	R3	260	3	10	899
764	inner	2	901	R3	261	4	10	900
762	inner	2	902	R3	263	5	10	901
763	outer	2	903	R3	262	6	10	902
761	outer	2	904	R3	264	7	10	903
760	inner	2	905	R3	265	8	10	904
758	inner	2	906	R3	267	9	10	905
759	outer	2	907	R3	266	10	10	906
757	outer	2	908	R3	268	11	10	907
756	inner	2	909	R3	269	12	10	908
754	inner	2	910	R3	271	13	10	909
755	outer	2	911	R3	270	14	10	910
753	outer	2	912	R3	272	15	10	911
752	inner	2	913	R3	273	16	10	912
750	inner	2	914	R3	275	17	10	913
751	outer	2	915	R3	274	18	10	914
749	outer	2	916	R3	276	19	10	915
748	inner	2	917	R3	277	20	10	916
746	inner	2	918	R3	279	21	10	917
747	outer	2	919	R3	278	22	10	918
745	outer	2	920	R3	280	23	10	919

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
744	inner	2	921	R3	281	24	10	920
742	inner	2	922	R3	283	25	10	921
743	outer	2	923	R3	282	26	10	922
741	outer	2	924	R3	284	27	10	923
740	inner	2	925	R3	285	28	10	924
738	inner	2	926	R3	287	29	10	925
739	outer	2	927	R3	286	30	10	926
737	outer	2	928	R3	288	31	10	927
736	inner	2	929	R3	289	32	10	928
734	inner	2	930	R3	291	33	10	929
735	outer	2	931	R3	290	34	10	930
733	outer	2	932	R3	292	35	10	931
732	inner	2	933	R3	293	36	10	932
730	inner	2	934	R3	295	37	10	933
731	outer	2	935	R3	294	38	10	934
729	outer	2	936	R3	296	39	10	935
728	inner	2	937	R3	297	40	10	936
726	inner	2	938	R3	299	41	10	937
727	outer	2	939	R3	298	42	10	938
725	outer	2	940	R3	300	43	10	939
724	inner	2	941	R3	301	44	10	940
722	inner	2	942	R3	303	45	10	941
723	outer	2	943	R3	302	46	10	942
721	outer	2	944	R3	304	47	10	943
720	inner	2	945	R3	305	48	10	944
718	inner	2	946	R3	307	49	10	945
719	outer	2	947	R3	306	50	10	946
717	outer	2	948	R3	308	51	10	947
716	inner	2	949	R3	309	52	10	948
714	inner	2	950	R3	311	53	10	949
715	outer	2	951	R3	310	54	10	950
713	outer	2	952	R3	312	55	10	951
712	inner	2	953	R3	313	56	10	952
710	inner	2	954	R3	315	57	10	953
711	outer	2	955	R3	314	58	10	954
709	outer	2	956	R3	316	59	10	955
708	inner	2	957	R3	317	60	10	956
706	inner	2	958	R3	319	61	10	957
707	outer	2	959	R3	318	62	10	958
705	outer	2	960	R3	320	63	10	959
704	inner	2	961	R3	321	64	10	960
702	inner	2	962	R3	323	65	10	961
703	outer	2	963	R3	322	66	10	962
701	outer	2	964	R3	324	67	10	963
700	inner	2	965	R3	325	68	10	964
698	inner	2	966	R3	327	69	10	965
699	outer	2	967	R3	326	70	10	966

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
697	outer	2	968	R3	328	71	10	967
696	inner	2	969	R3	329	72	10	968
694	inner	2	970	R3	331	73	10	969
695	outer	2	971	R3	330	74	10	970
693	outer	2	972	R3	332	75	10	971
692	inner	2	973	R3	333	76	10	972
690	inner	2	974	R3	335	77	10	973
691	outer	2	975	R3	334	78	10	974
689	outer	2	976	R3	336	79	10	975
688	inner	2	977	R3	337	80	10	976
686	inner	2	978	R3	339	81	10	977
687	outer	2	979	R3	338	82	10	978
685	outer	2	980	R3	340	83	10	979
684	inner	2	981	R3	341	84	10	980
682	inner	2	982	R3	343	85	10	981
683	outer	2	983	R3	342	86	10	982
681	outer	2	984	R3	344	87	10	983
680	inner	2	985	R3	345	88	10	984
678	inner	2	986	R3	347	89	10	985
679	outer	2	987	R3	346	90	10	986
677	outer	2	988	R3	348	91	10	987
676	inner	2	989	R3	349	92	10	988
674	inner	2	990	R3	351	93	10	989
675	outer	2	991	R3	350	94	10	990
673	outer	2	992	R3	352	95	10	991
672	inner	2	993	R3	353	96	10	992
670	inner	2	994	R3	355	97	10	993
671	outer	2	995	R3	354	98	10	994
669	outer	2	996	R3	356	99	10	995
668	inner	2	997	R3	357	100	10	996
666	inner	2	998	R3	359	101	10	997
667	outer	2	999	R3	358	102	10	998
665	outer	2	1000	R3	360	103	10	999
664	inner	2	1001	R3	361	104	10	1000
662	inner	2	1002	R3	363	105	10	1001
663	outer	2	1003	R3	362	106	10	1002
661	outer	2	1004	R3	364	107	10	1003
660	inner	2	1005	R3	365	108	10	1004
658	inner	2	1006	R3	367	109	10	1005
659	outer	2	1007	R3	366	110	10	1006
657	outer	2	1008	R3	368	111	10	1007
656	inner	2	1009	R3	369	112	10	1008
654	inner	2	1010	R3	371	113	10	1009
655	outer	2	1011	R3	370	114	10	1010
653	outer	2	1012	R3	372	115	10	1011
652	inner	2	1013	R3	373	116	10	1012
650	inner	2	1014	R3	375	117	10	1013

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
651	outer	2	1015	R3	374	118	10	1014
649	outer	2	1016	R3	376	119	10	1015
648	inner	2	1017	R3	377	120	10	1016
646	inner	2	1018	R3	379	121	10	1017
647	outer	2	1019	R3	378	122	10	1018
645	outer	2	1020	R3	380	123	10	1019
644	inner	2	1021	R3	381	124	10	1020
642	inner	2	1022	R3	383	125	10	1021
643	outer	2	1023	R3	382	126	10	1022
641	outer	2	1024	R3	384	127	10	1023
640	inner	2	640	R3	385	0	11	639
638	inner	2	639	R3	387	1	11	638
639	outer	2	638	R3	386	2	11	637
637	outer	2	637	R3	388	3	11	636
636	inner	2	636	R3	389	4	11	635
634	inner	2	635	R3	391	5	11	634
635	outer	2	634	R3	390	6	11	633
633	outer	2	633	R3	392	7	11	632
632	inner	2	632	R3	393	8	11	631
630	inner	2	631	R3	395	9	11	630
631	outer	2	630	R3	394	10	11	629
629	outer	2	629	R3	396	11	11	628
628	inner	2	628	R3	397	12	11	627
626	inner	2	627	R3	399	13	11	626
627	outer	2	626	R3	398	14	11	625
625	outer	2	625	R3	400	15	11	624
624	inner	2	624	R3	401	16	11	623
622	inner	2	623	R3	403	17	11	622
623	outer	2	622	R3	402	18	11	621
621	outer	2	621	R3	404	19	11	620
620	inner	2	620	R3	405	20	11	619
618	inner	2	619	R3	407	21	11	618
619	outer	2	618	R3	406	22	11	617
617	outer	2	617	R3	408	23	11	616
616	inner	2	616	R3	409	24	11	615
614	inner	2	615	R3	411	25	11	614
615	outer	2	614	R3	410	26	11	613
613	outer	2	613	R3	412	27	11	612
612	inner	2	612	R3	413	28	11	611
610	inner	2	611	R3	415	29	11	610
611	outer	2	610	R3	414	30	11	609
609	outer	2	609	R3	416	31	11	608
608	inner	2	608	R3	417	32	11	607
606	inner	2	607	R3	419	33	11	606
607	outer	2	606	R3	418	34	11	605
605	outer	2	605	R3	420	35	11	604
604	inner	2	604	R3	421	36	11	603

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
602	inner	2	603	R3	423	37	11	602
603	outer	2	602	R3	422	38	11	601
601	outer	2	601	R3	424	39	11	600
600	inner	2	600	R3	425	40	11	599
598	inner	2	599	R3	427	41	11	598
599	outer	2	598	R3	426	42	11	597
597	outer	2	597	R3	428	43	11	596
596	inner	2	596	R3	429	44	11	595
594	inner	2	595	R3	431	45	11	594
595	outer	2	594	R3	430	46	11	593
593	outer	2	593	R3	432	47	11	592
592	inner	2	592	R3	433	48	11	591
590	inner	2	591	R3	435	49	11	590
591	outer	2	590	R3	434	50	11	589
589	outer	2	589	R3	436	51	11	588
588	inner	2	588	R3	437	52	11	587
586	inner	2	587	R3	439	53	11	586
587	outer	2	586	R3	438	54	11	585
585	outer	2	585	R3	440	55	11	584
584	inner	2	584	R3	441	56	11	583
582	inner	2	583	R3	443	57	11	582
583	outer	2	582	R3	442	58	11	581
581	outer	2	581	R3	444	59	11	580
580	inner	2	580	R3	445	60	11	579
578	inner	2	579	R3	447	61	11	578
579	outer	2	578	R3	446	62	11	577
577	outer	2	577	R3	448	63	11	576
576	inner	2	576	R3	449	64	11	575
574	inner	2	575	R3	451	65	11	574
575	outer	2	574	R3	450	66	11	573
573	outer	2	573	R3	452	67	11	572
572	inner	2	572	R3	453	68	11	571
570	inner	2	571	R3	455	69	11	570
571	outer	2	570	R3	454	70	11	569
569	outer	2	569	R3	456	71	11	568
568	inner	2	568	R3	457	72	11	567
566	inner	2	567	R3	459	73	11	566
567	outer	2	566	R3	458	74	11	565
565	outer	2	565	R3	460	75	11	564
564	inner	2	564	R3	461	76	11	563
562	inner	2	563	R3	463	77	11	562
563	outer	2	562	R3	462	78	11	561
561	outer	2	561	R3	464	79	11	560
560	inner	2	560	R3	465	80	11	559
558	inner	2	559	R3	467	81	11	558
559	outer	2	558	R3	466	82	11	557
557	outer	2	557	R3	468	83	11	556

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
556	inner	2	556	R3	469	84	11	555
554	inner	2	555	R3	471	85	11	554
555	outer	2	554	R3	470	86	11	553
553	outer	2	553	R3	472	87	11	552
552	inner	2	552	R3	473	88	11	551
550	inner	2	551	R3	475	89	11	550
551	outer	2	550	R3	474	90	11	549
549	outer	2	549	R3	476	91	11	548
548	inner	2	548	R3	477	92	11	547
546	inner	2	547	R3	479	93	11	546
547	outer	2	546	R3	478	94	11	545
545	outer	2	545	R3	480	95	11	544
544	inner	2	544	R3	481	96	11	543
542	inner	2	543	R3	483	97	11	542
543	outer	2	542	R3	482	98	11	541
541	outer	2	541	R3	484	99	11	540
540	inner	2	540	R3	485	100	11	539
538	inner	2	539	R3	487	101	11	538
539	outer	2	538	R3	486	102	11	537
537	outer	2	537	R3	488	103	11	536
536	inner	2	536	R3	489	104	11	535
534	inner	2	535	R3	491	105	11	534
535	outer	2	534	R3	490	106	11	533
533	outer	2	533	R3	492	107	11	532
532	inner	2	532	R3	493	108	11	531
530	inner	2	531	R3	495	109	11	530
531	outer	2	530	R3	494	110	11	529
529	outer	2	529	R3	496	111	11	528
528	inner	2	528	R3	497	112	11	527
526	inner	2	527	R3	499	113	11	526
527	outer	2	526	R3	498	114	11	525
525	outer	2	525	R3	500	115	11	524
524	inner	2	524	R3	501	116	11	523
522	inner	2	523	R3	503	117	11	522
523	outer	2	522	R3	502	118	11	521
521	outer	2	521	R3	504	119	11	520
520	inner	2	520	R3	505	120	11	519
518	inner	2	519	R3	507	121	11	518
519	outer	2	518	R3	506	122	11	517
517	outer	2	517	R3	508	123	11	516
516	inner	2	516	R3	509	124	11	515
514	inner	2	515	R3	511	125	11	514
515	outer	2	514	R3	510	126	11	513
513	outer	2	513	R3	512	127	11	512
512	inner	1	1	R4	1	0	12	0
510	inner	1	2	R4	3	1	12	1
511	outer	1	3	R4	2	2	12	2

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
509	outer	1	4	R4	4	3	12	3
508	inner	1	5	R4	5	4	12	4
506	inner	1	6	R4	7	5	12	5
507	outer	1	7	R4	6	6	12	6
505	outer	1	8	R4	8	7	12	7
504	inner	1	9	R4	9	8	12	8
502	inner	1	10	R4	11	9	12	9
503	outer	1	11	R4	10	10	12	10
501	outer	1	12	R4	12	11	12	11
500	inner	1	13	R4	13	12	12	12
498	inner	1	14	R4	15	13	12	13
499	outer	1	15	R4	14	14	12	14
497	outer	1	16	R4	16	15	12	15
496	inner	1	17	R4	17	16	12	16
494	inner	1	18	R4	19	17	12	17
495	outer	1	19	R4	18	18	12	18
493	outer	1	20	R4	20	19	12	19
492	inner	1	21	R4	21	20	12	20
490	inner	1	22	R4	23	21	12	21
491	outer	1	23	R4	22	22	12	22
489	outer	1	24	R4	24	23	12	23
488	inner	1	25	R4	25	24	12	24
486	inner	1	26	R4	27	25	12	25
487	outer	1	27	R4	26	26	12	26
485	outer	1	28	R4	28	27	12	27
484	inner	1	29	R4	29	28	12	28
482	inner	1	30	R4	31	29	12	29
483	outer	1	31	R4	30	30	12	30
481	outer	1	32	R4	32	31	12	31
480	inner	1	33	R4	33	32	12	32
478	inner	1	34	R4	35	33	12	33
479	outer	1	35	R4	34	34	12	34
477	outer	1	36	R4	36	35	12	35
476	inner	1	37	R4	37	36	12	36
474	inner	1	38	R4	39	37	12	37
475	outer	1	39	R4	38	38	12	38
473	outer	1	40	R4	40	39	12	39
472	inner	1	41	R4	41	40	12	40
470	inner	1	42	R4	43	41	12	41
471	outer	1	43	R4	42	42	12	42
469	outer	1	44	R4	44	43	12	43
468	inner	1	45	R4	45	44	12	44
466	inner	1	46	R4	47	45	12	45
467	outer	1	47	R4	46	46	12	46
465	outer	1	48	R4	48	47	12	47
464	inner	1	49	R4	49	48	12	48
462	inner	1	50	R4	51	49	12	49

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
463	outer	1	51	R4	50	50	12	50
461	outer	1	52	R4	52	51	12	51
460	inner	1	53	R4	53	52	12	52
458	inner	1	54	R4	55	53	12	53
459	outer	1	55	R4	54	54	12	54
457	outer	1	56	R4	56	55	12	55
456	inner	1	57	R4	57	56	12	56
454	inner	1	58	R4	59	57	12	57
455	outer	1	59	R4	58	58	12	58
453	outer	1	60	R4	60	59	12	59
452	inner	1	61	R4	61	60	12	60
450	inner	1	62	R4	63	61	12	61
451	outer	1	63	R4	62	62	12	62
449	outer	1	64	R4	64	63	12	63
448	inner	1	65	R4	65	64	12	64
446	inner	1	66	R4	67	65	12	65
447	outer	1	67	R4	66	66	12	66
445	outer	1	68	R4	68	67	12	67
444	inner	1	69	R4	69	68	12	68
442	inner	1	70	R4	71	69	12	69
443	outer	1	71	R4	70	70	12	70
441	outer	1	72	R4	72	71	12	71
440	inner	1	73	R4	73	72	12	72
438	inner	1	74	R4	75	73	12	73
439	outer	1	75	R4	74	74	12	74
437	outer	1	76	R4	76	75	12	75
436	inner	1	77	R4	77	76	12	76
434	inner	1	78	R4	79	77	12	77
435	outer	1	79	R4	78	78	12	78
433	outer	1	80	R4	80	79	12	79
432	inner	1	81	R4	81	80	12	80
430	inner	1	82	R4	83	81	12	81
431	outer	1	83	R4	82	82	12	82
429	outer	1	84	R4	84	83	12	83
428	inner	1	85	R4	85	84	12	84
426	inner	1	86	R4	87	85	12	85
427	outer	1	87	R4	86	86	12	86
425	outer	1	88	R4	88	87	12	87
424	inner	1	89	R4	89	88	12	88
422	inner	1	90	R4	91	89	12	89
423	outer	1	91	R4	90	90	12	90
421	outer	1	92	R4	92	91	12	91
420	inner	1	93	R4	93	92	12	92
418	inner	1	94	R4	95	93	12	93
419	outer	1	95	R4	94	94	12	94
417	outer	1	96	R4	96	95	12	95
416	inner	1	97	R4	97	96	12	96

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
414	inner	1	98	R4	99	97	12	97
415	outer	1	99	R4	98	98	12	98
413	outer	1	100	R4	100	99	12	99
412	inner	1	101	R4	101	100	12	100
410	inner	1	102	R4	103	101	12	101
411	outer	1	103	R4	102	102	12	102
409	outer	1	104	R4	104	103	12	103
408	inner	1	105	R4	105	104	12	104
406	inner	1	106	R4	107	105	12	105
407	outer	1	107	R4	106	106	12	106
405	outer	1	108	R4	108	107	12	107
404	inner	1	109	R4	109	108	12	108
402	inner	1	110	R4	111	109	12	109
403	outer	1	111	R4	110	110	12	110
401	outer	1	112	R4	112	111	12	111
400	inner	1	113	R4	113	112	12	112
398	inner	1	114	R4	115	113	12	113
399	outer	1	115	R4	114	114	12	114
397	outer	1	116	R4	116	115	12	115
396	inner	1	117	R4	117	116	12	116
394	inner	1	118	R4	119	117	12	117
395	outer	1	119	R4	118	118	12	118
393	outer	1	120	R4	120	119	12	119
392	inner	1	121	R4	121	120	12	120
390	inner	1	122	R4	123	121	12	121
391	outer	1	123	R4	122	122	12	122
389	outer	1	124	R4	124	123	12	123
388	inner	1	125	R4	125	124	12	124
386	inner	1	126	R4	127	125	12	125
387	outer	1	127	R4	126	126	12	126
385	outer	1	128	R4	128	127	12	127
384	inner	1	512	R4	129	0	13	511
382	inner	1	511	R4	131	1	13	510
383	outer	1	510	R4	130	2	13	509
381	outer	1	509	R4	132	3	13	508
380	inner	1	508	R4	133	4	13	507
378	inner	1	507	R4	135	5	13	506
379	outer	1	506	R4	134	6	13	505
377	outer	1	505	R4	136	7	13	504
376	inner	1	504	R4	137	8	13	503
374	inner	1	503	R4	139	9	13	502
375	outer	1	502	R4	138	10	13	501
373	outer	1	501	R4	140	11	13	500
372	inner	1	500	R4	141	12	13	499
370	inner	1	499	R4	143	13	13	498
371	outer	1	498	R4	142	14	13	497
369	outer	1	497	R4	144	15	13	496

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
368	inner	1	496	R4	145	16	13	495
366	inner	1	495	R4	147	17	13	494
367	outer	1	494	R4	146	18	13	493
365	outer	1	493	R4	148	19	13	492
364	inner	1	492	R4	149	20	13	491
362	inner	1	491	R4	151	21	13	490
363	outer	1	490	R4	150	22	13	489
361	outer	1	489	R4	152	23	13	488
360	inner	1	488	R4	153	24	13	487
358	inner	1	487	R4	155	25	13	486
359	outer	1	486	R4	154	26	13	485
357	outer	1	485	R4	156	27	13	484
356	inner	1	484	R4	157	28	13	483
354	inner	1	483	R4	159	29	13	482
355	outer	1	482	R4	158	30	13	481
353	outer	1	481	R4	160	31	13	480
352	inner	1	480	R4	161	32	13	479
350	inner	1	479	R4	163	33	13	478
351	outer	1	478	R4	162	34	13	477
349	outer	1	477	R4	164	35	13	476
348	inner	1	476	R4	165	36	13	475
346	inner	1	475	R4	167	37	13	474
347	outer	1	474	R4	166	38	13	473
345	outer	1	473	R4	168	39	13	472
344	inner	1	472	R4	169	40	13	471
342	inner	1	471	R4	171	41	13	470
343	outer	1	470	R4	170	42	13	469
341	outer	1	469	R4	172	43	13	468
340	inner	1	468	R4	173	44	13	467
338	inner	1	467	R4	175	45	13	466
339	outer	1	466	R4	174	46	13	465
337	outer	1	465	R4	176	47	13	464
336	inner	1	464	R4	177	48	13	463
334	inner	1	463	R4	179	49	13	462
335	outer	1	462	R4	178	50	13	461
333	outer	1	461	R4	180	51	13	460
332	inner	1	460	R4	181	52	13	459
330	inner	1	459	R4	183	53	13	458
331	outer	1	458	R4	182	54	13	457
329	outer	1	457	R4	184	55	13	456
328	inner	1	456	R4	185	56	13	455
326	inner	1	455	R4	187	57	13	454
327	outer	1	454	R4	186	58	13	453
325	outer	1	453	R4	188	59	13	452
324	inner	1	452	R4	189	60	13	451
322	inner	1	451	R4	191	61	13	450
323	outer	1	450	R4	190	62	13	449

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
321	outer	1	449	R4	192	63	13	448
320	inner	1	448	R4	193	64	13	447
318	inner	1	447	R4	195	65	13	446
319	outer	1	446	R4	194	66	13	445
317	outer	1	445	R4	196	67	13	444
316	inner	1	444	R4	197	68	13	443
314	inner	1	443	R4	199	69	13	442
315	outer	1	442	R4	198	70	13	441
313	outer	1	441	R4	200	71	13	440
312	inner	1	440	R4	201	72	13	439
310	inner	1	439	R4	203	73	13	438
311	outer	1	438	R4	202	74	13	437
309	outer	1	437	R4	204	75	13	436
308	inner	1	436	R4	205	76	13	435
306	inner	1	435	R4	207	77	13	434
307	outer	1	434	R4	206	78	13	433
305	outer	1	433	R4	208	79	13	432
304	inner	1	432	R4	209	80	13	431
302	inner	1	431	R4	211	81	13	430
303	outer	1	430	R4	210	82	13	429
301	outer	1	429	R4	212	83	13	428
300	inner	1	428	R4	213	84	13	427
298	inner	1	427	R4	215	85	13	426
299	outer	1	426	R4	214	86	13	425
297	outer	1	425	R4	216	87	13	424
296	inner	1	424	R4	217	88	13	423
294	inner	1	423	R4	219	89	13	422
295	outer	1	422	R4	218	90	13	421
293	outer	1	421	R4	220	91	13	420
292	inner	1	420	R4	221	92	13	419
290	inner	1	419	R4	223	93	13	418
291	outer	1	418	R4	222	94	13	417
289	outer	1	417	R4	224	95	13	416
288	inner	1	416	R4	225	96	13	415
286	inner	1	415	R4	227	97	13	414
287	outer	1	414	R4	226	98	13	413
285	outer	1	413	R4	228	99	13	412
284	inner	1	412	R4	229	100	13	411
282	inner	1	411	R4	231	101	13	410
283	outer	1	410	R4	230	102	13	409
281	outer	1	409	R4	232	103	13	408
280	inner	1	408	R4	233	104	13	407
278	inner	1	407	R4	235	105	13	406
279	outer	1	406	R4	234	106	13	405
277	outer	1	405	R4	236	107	13	404
276	inner	1	404	R4	237	108	13	403
274	inner	1	403	R4	239	109	13	402

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
275	outer	1	402	R4	238	110	13	401
273	outer	1	401	R4	240	111	13	400
272	inner	1	400	R4	241	112	13	399
270	inner	1	399	R4	243	113	13	398
271	outer	1	398	R4	242	114	13	397
269	outer	1	397	R4	244	115	13	396
268	inner	1	396	R4	245	116	13	395
266	inner	1	395	R4	247	117	13	394
267	outer	1	394	R4	246	118	13	393
265	outer	1	393	R4	248	119	13	392
264	inner	1	392	R4	249	120	13	391
262	inner	1	391	R4	251	121	13	390
263	outer	1	390	R4	250	122	13	389
261	outer	1	389	R4	252	123	13	388
260	inner	1	388	R4	253	124	13	387
258	inner	1	387	R4	255	125	13	386
259	outer	1	386	R4	254	126	13	385
257	outer	1	385	R4	256	127	13	384
256	inner	1	384	R4	257	0	14	383
254	inner	1	383	R4	259	1	14	382
255	outer	1	382	R4	258	2	14	381
253	outer	1	381	R4	260	3	14	380
252	inner	1	380	R4	261	4	14	379
250	inner	1	379	R4	263	5	14	378
251	outer	1	378	R4	262	6	14	377
249	outer	1	377	R4	264	7	14	376
248	inner	1	376	R4	265	8	14	375
246	inner	1	375	R4	267	9	14	374
247	outer	1	374	R4	266	10	14	373
245	outer	1	373	R4	268	11	14	372
244	inner	1	372	R4	269	12	14	371
242	inner	1	371	R4	271	13	14	370
243	outer	1	370	R4	270	14	14	369
241	outer	1	369	R4	272	15	14	368
240	inner	1	368	R4	273	16	14	367
238	inner	1	367	R4	275	17	14	366
239	outer	1	366	R4	274	18	14	365
237	outer	1	365	R4	276	19	14	364
236	inner	1	364	R4	277	20	14	363
234	inner	1	363	R4	279	21	14	362
235	outer	1	362	R4	278	22	14	361
233	outer	1	361	R4	280	23	14	360
232	inner	1	360	R4	281	24	14	359
230	inner	1	359	R4	283	25	14	358
231	outer	1	358	R4	282	26	14	357
229	outer	1	357	R4	284	27	14	356
228	inner	1	356	R4	285	28	14	355

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
226	inner	1	355	R4	287	29	14	354
227	outer	1	354	R4	286	30	14	353
225	outer	1	353	R4	288	31	14	352
224	inner	1	352	R4	289	32	14	351
222	inner	1	351	R4	291	33	14	350
223	outer	1	350	R4	290	34	14	349
221	outer	1	349	R4	292	35	14	348
220	inner	1	348	R4	293	36	14	347
218	inner	1	347	R4	295	37	14	346
219	outer	1	346	R4	294	38	14	345
217	outer	1	345	R4	296	39	14	344
216	inner	1	344	R4	297	40	14	343
214	inner	1	343	R4	299	41	14	342
215	outer	1	342	R4	298	42	14	341
213	outer	1	341	R4	300	43	14	340
212	inner	1	340	R4	301	44	14	339
210	inner	1	339	R4	303	45	14	338
211	outer	1	338	R4	302	46	14	337
209	outer	1	337	R4	304	47	14	336
208	inner	1	336	R4	305	48	14	335
206	inner	1	335	R4	307	49	14	334
207	outer	1	334	R4	306	50	14	333
205	outer	1	333	R4	308	51	14	332
204	inner	1	332	R4	309	52	14	331
202	inner	1	331	R4	311	53	14	330
203	outer	1	330	R4	310	54	14	329
201	outer	1	329	R4	312	55	14	328
200	inner	1	328	R4	313	56	14	327
198	inner	1	327	R4	315	57	14	326
199	outer	1	326	R4	314	58	14	325
197	outer	1	325	R4	316	59	14	324
196	inner	1	324	R4	317	60	14	323
194	inner	1	323	R4	319	61	14	322
195	outer	1	322	R4	318	62	14	321
193	outer	1	321	R4	320	63	14	320
192	inner	1	320	R4	321	64	14	319
190	inner	1	319	R4	323	65	14	318
191	outer	1	318	R4	322	66	14	317
189	outer	1	317	R4	324	67	14	316
188	inner	1	316	R4	325	68	14	315
186	inner	1	315	R4	327	69	14	314
187	outer	1	314	R4	326	70	14	313
185	outer	1	313	R4	328	71	14	312
184	inner	1	312	R4	329	72	14	311
182	inner	1	311	R4	331	73	14	310
183	outer	1	310	R4	330	74	14	309
181	outer	1	309	R4	332	75	14	308

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
180	inner	1	308	R4	333	76	14	307
178	inner	1	307	R4	335	77	14	306
179	outer	1	306	R4	334	78	14	305
177	outer	1	305	R4	336	79	14	304
176	inner	1	304	R4	337	80	14	303
174	inner	1	303	R4	339	81	14	302
175	outer	1	302	R4	338	82	14	301
173	outer	1	301	R4	340	83	14	300
172	inner	1	300	R4	341	84	14	299
170	inner	1	299	R4	343	85	14	298
171	outer	1	298	R4	342	86	14	297
169	outer	1	297	R4	344	87	14	296
168	inner	1	296	R4	345	88	14	295
166	inner	1	295	R4	347	89	14	294
167	outer	1	294	R4	346	90	14	293
165	outer	1	293	R4	348	91	14	292
164	inner	1	292	R4	349	92	14	291
162	inner	1	291	R4	351	93	14	290
163	outer	1	290	R4	350	94	14	289
161	outer	1	289	R4	352	95	14	288
160	inner	1	288	R4	353	96	14	287
158	inner	1	287	R4	355	97	14	286
159	outer	1	286	R4	354	98	14	285
157	outer	1	285	R4	356	99	14	284
156	inner	1	284	R4	357	100	14	283
154	inner	1	283	R4	359	101	14	282
155	outer	1	282	R4	358	102	14	281
153	outer	1	281	R4	360	103	14	280
152	inner	1	280	R4	361	104	14	279
150	inner	1	279	R4	363	105	14	278
151	outer	1	278	R4	362	106	14	277
149	outer	1	277	R4	364	107	14	276
148	inner	1	276	R4	365	108	14	275
146	inner	1	275	R4	367	109	14	274
147	outer	1	274	R4	366	110	14	273
145	outer	1	273	R4	368	111	14	272
144	inner	1	272	R4	369	112	14	271
142	inner	1	271	R4	371	113	14	270
143	outer	1	270	R4	370	114	14	269
141	outer	1	269	R4	372	115	14	268
140	inner	1	268	R4	373	116	14	267
138	inner	1	267	R4	375	117	14	266
139	outer	1	266	R4	374	118	14	265
137	outer	1	265	R4	376	119	14	264
136	inner	1	264	R4	377	120	14	263
134	inner	1	263	R4	379	121	14	262
135	outer	1	262	R4	378	122	14	261

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
133	outer	1	261	R4	380	123	14	260
132	inner	1	260	R4	381	124	14	259
130	inner	1	259	R4	383	125	14	258
131	outer	1	258	R4	382	126	14	257
129	outer	1	257	R4	384	127	14	256
128	inner	1	256	R4	385	0	15	255
126	inner	1	255	R4	387	1	15	254
127	outer	1	254	R4	386	2	15	253
125	outer	1	253	R4	388	3	15	252
124	inner	1	252	R4	389	4	15	251
122	inner	1	251	R4	391	5	15	250
123	outer	1	250	R4	390	6	15	249
121	outer	1	249	R4	392	7	15	248
120	inner	1	248	R4	393	8	15	247
118	inner	1	247	R4	395	9	15	246
119	outer	1	246	R4	394	10	15	245
117	outer	1	245	R4	396	11	15	244
116	inner	1	244	R4	397	12	15	243
114	inner	1	243	R4	399	13	15	242
115	outer	1	242	R4	398	14	15	241
113	outer	1	241	R4	400	15	15	240
112	inner	1	240	R4	401	16	15	239
110	inner	1	239	R4	403	17	15	238
111	outer	1	238	R4	402	18	15	237
109	outer	1	237	R4	404	19	15	236
108	inner	1	236	R4	405	20	15	235
106	inner	1	235	R4	407	21	15	234
107	outer	1	234	R4	406	22	15	233
105	outer	1	233	R4	408	23	15	232
104	inner	1	232	R4	409	24	15	231
102	inner	1	231	R4	411	25	15	230
103	outer	1	230	R4	410	26	15	229
101	outer	1	229	R4	412	27	15	228
100	inner	1	228	R4	413	28	15	227
98	inner	1	227	R4	415	29	15	226
99	outer	1	226	R4	414	30	15	225
97	outer	1	225	R4	416	31	15	224
96	inner	1	224	R4	417	32	15	223
94	inner	1	223	R4	419	33	15	222
95	outer	1	222	R4	418	34	15	221
93	outer	1	221	R4	420	35	15	220
92	inner	1	220	R4	421	36	15	219
90	inner	1	219	R4	423	37	15	218
91	outer	1	218	R4	422	38	15	217
89	outer	1	217	R4	424	39	15	216
88	inner	1	216	R4	425	40	15	215
86	inner	1	215	R4	427	41	15	214

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
87	outer	1	214	R4	426	42	15	213
85	outer	1	213	R4	428	43	15	212
84	inner	1	212	R4	429	44	15	211
82	inner	1	211	R4	431	45	15	210
83	outer	1	210	R4	430	46	15	209
81	outer	1	209	R4	432	47	15	208
80	inner	1	208	R4	433	48	15	207
78	inner	1	207	R4	435	49	15	206
79	outer	1	206	R4	434	50	15	205
77	outer	1	205	R4	436	51	15	204
76	inner	1	204	R4	437	52	15	203
74	inner	1	203	R4	439	53	15	202
75	outer	1	202	R4	438	54	15	201
73	outer	1	201	R4	440	55	15	200
72	inner	1	200	R4	441	56	15	199
70	inner	1	199	R4	443	57	15	198
71	outer	1	198	R4	442	58	15	197
69	outer	1	197	R4	444	59	15	196
68	inner	1	196	R4	445	60	15	195
66	inner	1	195	R4	447	61	15	194
67	outer	1	194	R4	446	62	15	193
65	outer	1	193	R4	448	63	15	192
64	inner	1	192	R4	449	64	15	191
62	inner	1	191	R4	451	65	15	190
63	outer	1	190	R4	450	66	15	189
61	outer	1	189	R4	452	67	15	188
60	inner	1	188	R4	453	68	15	187
58	inner	1	187	R4	455	69	15	186
59	outer	1	186	R4	454	70	15	185
57	outer	1	185	R4	456	71	15	184
56	inner	1	184	R4	457	72	15	183
54	inner	1	183	R4	459	73	15	182
55	outer	1	182	R4	458	74	15	181
53	outer	1	181	R4	460	75	15	180
52	inner	1	180	R4	461	76	15	179
50	inner	1	179	R4	463	77	15	178
51	outer	1	178	R4	462	78	15	177
49	outer	1	177	R4	464	79	15	176
48	inner	1	176	R4	465	80	15	175
46	inner	1	175	R4	467	81	15	174
47	outer	1	174	R4	466	82	15	173
45	outer	1	173	R4	468	83	15	172
44	inner	1	172	R4	469	84	15	171
42	inner	1	171	R4	471	85	15	170

Sensor Pad	Pad Row	Sector	Strip	PA	PA-pad	Channel	Chip	s/w Strip
43	outer	1	170	R4	470	86	15	169
41	outer	1	169	R4	472	87	15	168
40	inner	1	168	R4	473	88	15	167
38	inner	1	167	R4	475	89	15	166
39	outer	1	166	R4	474	90	15	165
37	outer	1	165	R4	476	91	15	164
36	inner	1	164	R4	477	92	15	163
34	inner	1	163	R4	479	93	15	162
35	outer	1	162	R4	478	94	15	161
33	outer	1	161	R4	480	95	15	160
32	inner	1	160	R4	481	96	15	159
30	inner	1	159	R4	483	97	15	158
31	outer	1	158	R4	482	98	15	157
29	outer	1	157	R4	484	99	15	156
28	inner	1	156	R4	485	100	15	155
26	inner	1	155	R4	487	101	15	154
27	outer	1	154	R4	486	102	15	153
25	outer	1	153	R4	488	103	15	152
24	inner	1	152	R4	489	104	15	151
22	inner	1	151	R4	491	105	15	150
23	outer	1	150	R4	490	106	15	149
21	outer	1	149	R4	492	107	15	148
20	inner	1	148	R4	493	108	15	147
18	inner	1	147	R4	495	109	15	146
19	outer	1	146	R4	494	110	15	145
17	outer	1	145	R4	496	111	15	144
16	inner	1	144	R4	497	112	15	143
14	inner	1	143	R4	499	113	15	142
15	outer	1	142	R4	498	114	15	141
13	outer	1	141	R4	500	115	15	140
12	inner	1	140	R4	501	116	15	139
10	inner	1	139	R4	503	117	15	138
11	outer	1	138	R4	502	118	15	137
9	outer	1	137	R4	504	119	15	136
8	inner	1	136	R4	505	120	15	135
6	inner	1	135	R4	507	121	15	134
7	outer	1	134	R4	506	122	15	133
5	outer	1	133	R4	508	123	15	132
4	inner	1	132	R4	509	124	15	131
2	inner	1	131	R4	511	125	15	130
3	outer	1	130	R4	510	126	15	129
1	outer	1	129	R4	512	127	15	128