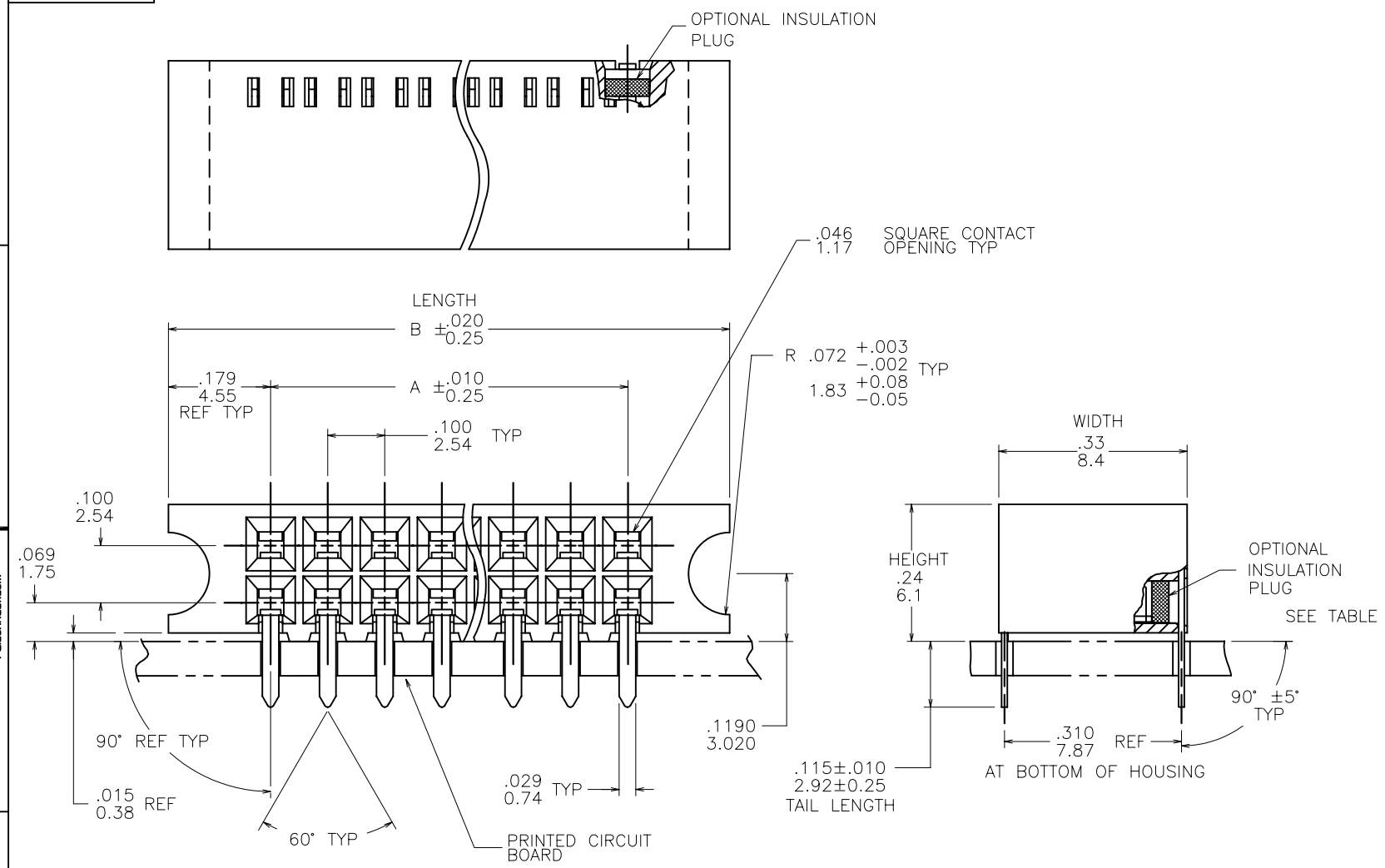
PRODUCT NO.
SEE TABLE



mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection	product family
–									CARD CONN.
ltr	ecn no	dr	date	tolerances unless otherwise specified					title
N	V61633	EPK	9/17/90	angles	linear	.XX ±.01/X±0.3		INCH/MM	GUIDE PIN CARD CONNECTOR
P	V70994	JM	10/19/97			.XXX ±.005/XX±0.13			
R	V02523	AZ	10/24/00	0°±2°		.XXXX ±.0020/.XXX±0.051		scale 4:1	
S	V21783	CGD	11/18/02	dr	C.DAILY	11/18/02			dwg no 66527 sheet 1 of 6 size A3
T	M05-0113	MHT	6/14/05	engr	H.SUNDY	11/18/02			
U	M07-0137	MHT	2/26/07	chr	H.SUNDY	11/18/02			
V	M08-0232	MHT	8/14/08	appd	H.SUNDY	11/18/02			type Product Customer Drawing
sheet index	revision	V	V	V	V	V	V		
	sheet	1	2	3	4	5	6		

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form: A3

PDM: Rev:V STATUS:Released Printed: Oct 13, 2010

PRODUCT NO.
SEE TABLE

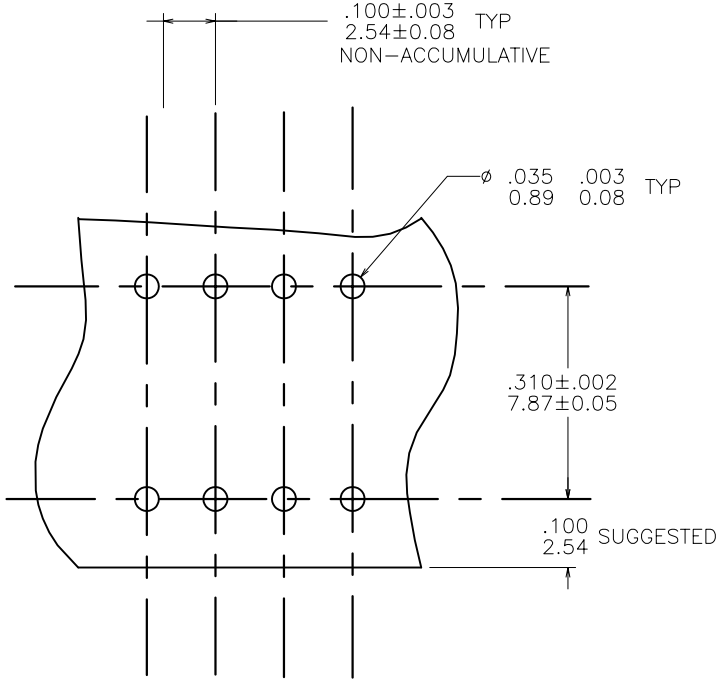

FIGURE 1

NOTES:

1. HOUSING MATERIAL:
   FILLED HIGH TEMPERATURE NYLON
   PER UL 94V-0
   COLOR: BLACK

2. TERMINAL MATERIAL:
   BODY: BRASS. .010/0.25 THICK
   SPRING: BE-CU. HEAT TREATED
   BODY PLATING DUPLEX :
   30 MICROINCH/0.76 MICRON GOLD OR GXT
   OVER 50 MICROINCH/1.27 MICRON NICKEL
   IN CONTACT AREA
   SOLDER TAIL : 100u"/2.54um PURE TIN MIN
   OVER 050u"/1.27um NICKEL
   SPRING PLATING: GOLD FLASH

3. MARK "FCI", FCI PART NUMBER AND DATE CODE.
   LEGIBLE ON TUBE LABEL.

4. APPLICATION INFORMATION:
   A. RECOMMENDED MOUNTING HOLE
   PATTERN IS SHOWN IN FIGURE "1"
   B. ALL MATING PINS TO BE .025/.64 SQUARE ON
   TRUE CENTER OF GIVEN TERMINAL
   SPACINGS WITHIN .015/0.38 DIA.
   C. SUGGESTED MATING PIN LENGTH
   .350±.020/8.89±0.51

5. MARK IN .060/1.52 HIGH LETTERS.(CONTRASTING
   COLORS) – 9113 4445
   FCI XXXX
   DATE CODE

6. .003/0.08 THICK TERMINAL SPRING.

7. PACKAGING: STANDARD 24" LONG TUBES.

8. 550mm LONG SPECIAL SHORT TUBE PACKAGING:
   ADD SUFFIX "A" TO PART DASH NUMBER. EXAMPLE: 66527-001A

9. ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR
   LEAD FREE OPTION.

10. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER
    COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

11. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE
    FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.5mm
    MINIMUM THICK CIRCUIT BOARD. SEE APPLICATION NOTES/PROCEDURES
    IF THEY ARE AVAILABLE.

12. PLATING OPTIONS:
    MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

| | | |

PRODUCT NO. NOTE 9	NO. OF POS.	A DIM	B DIM	INSUL. PLUG	SPECIAL
66527-001	UNAVAILABLE				
~~-002~~	~~2X2~~	~~.100/2.54~~	~~.458/11.63~~	NO	OBS
~~-003~~	~~2X3~~	~~.200/5.08~~	~~.558/14.17~~		OBS
~~-004~~	~~2X4~~	~~.300/7.62~~	~~.658/16.71~~		OBS
-005	2X5	.400/10.16	.758/19.25		
-006	2X6	.500/12.70	.858/21.79		
-007	2X7	.600/15.24	.958/24.33		
-008	2X8	.700/17.78	1.058/26.87		
-009	2X9	.800/20.32	1.158/29.41		
-010	2X10	.900/22.86	1.258/31.95		
-011	2X11	1.000/25.4	1.358/34.49		
-012	2X12	1.100/27.94	1.458/37.03		
-013	2X13	1.200/30.48	1.558/39.57		
-014	2X14	1.300/33.02	1.658/42.11		
-015	2X15	1.400/35.56	1.758/44.65		
-016	2X16	1.500/38.10	1.858/47.19		
-017	2X17	1.600/40.64	1.958/49.73		
-018	2X18	1.700/43.18	2.058/52.27		
-019	2X19	1.800/45.72	2.158/54.81		
-020	2X20	1.900/48.26	2.258/57.35		
-021	2X21	2.000/50.80	2.358/59.89		
-022	2X22	2.100/53.34	2.458/62.43		
-023	2X23	2.200/55.88	2.558/64.97		
-024	2X24	2.300/58.42	2.658/67.51		
-025	2X25	2.400/60.96	2.758/70.05		
-026	2X26	2.500/63.50	2.858/72.59		
-027	2X27	2.600/66.04	2.958/75.13		
-028	2X28	2.700/68.58	3.058/77.67		
-029	2X29	2.800/71.12	3.158/80.21		
-030	2X30	2.900/73.66	3.258/82.75		
-031	2X31	3.000/76.20	3.358/85.29		
-032	2X32	3.100/78.74	3.458/87.83		
-033	2X33	3.200/81.28	3.558/90.37		
-034	2X34	3.300/83.82	3.658/92.91		
-035	2X35	3.400/86.36	3.758/95.45		
-036	2X36	3.500/88.90	3.858/97.99		
-037	2X37	3.600/91.44	3.958/100.53		
-038	2X38	3.700/93.98	4.058/103.07		
-039	2X39	3.800/96.52	4.158/105.61		
66527-040	2X40	3.900/99.60	4.258/108.15	NO	

| | | | |

PRODUCT NO. NOTE 9	NO. OF POS.	A DIM	B DIM	INSUL. PLUG	SPECIAL
66527-041	2X41	4.000/101.60	4.358/110.69	NO	
-042	2X42	4.100/104.14	4.458/113.23		
-043	2X43	4.200/106.68	4.558/115.77		
-044	2X44	4.300/109.22	4.658/118.31		
-045	2X45	4.400/111.76	4.758/120.85		
-046	2X46	4.500/114.30	4.858/123.39		
-047	2X47	4.600/116.84	4.958/125.93		
-048	2X48	4.700/119.38	5.058/128.47		
-049	2X49	4.800/121.92	5.158/131.01		
-050	2X50	4.900/124.46	5.258/133.55		
-051	2X51	5.000/127.00	5.358/136.09		
-052	2X52	5.100/129.54	5.458/138.63		
-053	2X53	5.200/132.08	5.558/141.17		
-054	2X54	5.300/134.62	5.658/143.71		
-055	2X55	5.400/137.16	5.758/146.25		
-056	2X56	5.500/139.70	5.858/148.79		
-057	2X57	5.600/142.24	5.958/151.33		
-058	2X58	5.700/144.78	6.058/153.87		
-059	2X59	5.800/147.32	6.158/156.41		
-060	2X60	5.900/149.86	6.258/158.95		
-061	2X61	6.000/152.40	6.358/161.49		
-062	2X62	6.100/154.94	6.458/164.03		
-063	2X63	6.200/157.48	6.558/166.57		
-064	2X64	6.300/160.02	6.658/169.11		
66527-065	2X65	6.400/162.56	6.758/171.65	NO	
~~-066 THRU -100~~					OBSOLETE

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PRODUCT NO. NOTE 9	NO. OF POS.	A DIM	B DIM	INSUL. PLUG	SPECIAL	
66527-501	UNAVAILABLE					
~~-502~~	~~2X2~~	~~.100/2.54~~	~~.458/11.63~~	YES		OBS
~~-503~~	~~2X3~~	~~.200/5.08~~	~~.558/14.17~~			OBS
~~-504~~	~~2X4~~	~~.300/7.62~~	~~.658/16.71~~			OBS
-505	2X5	.400/10.16	.758/19.25			
-506	2X6	.500/12.70	.858/21.79			
-507	2X7	.600/15.24	.958/24.33			
-508	2X8	.700/17.78	1.058/26.87			
-509	2X9	.800/20.32	1.158/29.41			
-510	2X10	.900/22.86	1.258/31.95			
-511	2X11	1.000/25.4	1.358/34.49			
-512	2X12	1.100/27.94	1.458/37.03			
-513	2X13	1.200/30.48	1.558/39.57			
-514	2X14	1.300/33.02	1.658/42.11			
-515	2X15	1.400/35.56	1.758/44.65			
-516	2X16	1.500/38.10	1.858/47.19			
-517	2X17	1.600/40.64	1.958/49.73			
-518	2X18	1.700/43.18	2.058/52.27			
-519	2X19	1.800/45.72	2.158/54.81			
-520	2X20	1.900/48.26	2.258/57.35			
-521	2X21	2.000/50.80	2.358/59.89			
-522	2X22	2.100/53.34	2.458/62.43			
-523	2X23	2.200/55.88	2.558/64.97			
-524	2X24	2.300/58.42	2.658/67.51			
-525	2X25	2.400/60.96	2.758/70.05			
-526	2X26	2.500/63.50	2.858/72.59			
-527	2X27	2.600/66.04	2.958/75.13			
-528	2X28	2.700/68.58	3.058/77.67			
-529	2X29	2.800/71.12	3.158/80.21			
-530	2X30	2.900/73.66	3.258/82.75			
-531	2X31	3.000/76.20	3.358/85.29			
-532	2X32	3.100/78.74	3.458/87.83			
-533	2X33	3.200/81.28	3.558/90.37			
-534	2X34	3.300/83.82	3.658/92.91			
-535	2X35	3.400/86.36	3.758/95.45			
-536	2X36	3.500/88.90	3.858/97.99			
-537	2X37	3.600/91.44	3.958/100.53			
-538	2X38	3.700/93.98	4.058/103.07			
-539	2X39	3.800/96.52	4.158/105.61			
66527-540	2X40	3.900/99.60	4.258/108.15	YES		

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PRODUCT NO. NOTE 9	NO. OF POS.	A DIM	B DIM	INSUL. PLUG	SPECIAL
66527-541	2X41	4.000/101.60	4.358/110.69	YES	
-542	2X42	4.100/104.14	4.458/113.23		
-543	2X43	4.200/106.68	4.558/115.77		
-544	2X44	4.300/109.22	4.658/118.31		
-545	2X45	4.400/111.76	4.758/120.85		
-546	2X46	4.500/114.30	4.858/123.39		
-547	2X47	4.600/116.84	4.958/125.93		
-548	2X48	4.700/119.38	5.058/128.47		
-549	2X49	4.800/121.92	5.158/131.01		
-550	2X50	4.900/124.46	5.258/133.55		
-551	2X51	5.000/127.00	5.358/136.09		
-552	2X52	5.100/129.54	5.458/138.63		
-553	2X53	5.200/132.08	5.558/141.17		
-554	2X54	5.300/134.62	5.658/143.71		
-555	2X55	5.400/137.16	5.758/146.25		
-556	2X56	5.500/139.70	5.858/148.79		
-557	2X57	5.600/142.24	5.958/151.33		
-558	2X58	5.700/144.78	6.058/153.87		
-559	2X59	5.800/147.32	6.158/156.41		
-560	2X60	5.900/149.86	6.258/158.95		
-561	2X61	6.000/152.40	6.358/161.49		
-562	2X62	6.100/154.94	6.458/164.03		
-563	2X63	6.200/157.48	6.558/166.57		
-564	2X64	6.300/160.02	6.658/169.11		
66527-565	2X65	6.400/162.56	6.758/171.65	YES	
~~-566 THRU -600~~					OBSOLETE
66527-800	2X50	4.900/124.46	5.258/133.55	NO	SEE NOTE 5
-801	2X30	2.900/73.66	3.258/82.75	NO	SEE NOTE 6
-802	2X40	3.900/99.066	4.258/108.15	NO	SEE NOTE 6
66527-803	2X25	2.400/60.96	2.758/70.05	YES	SEE NOTE 6

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