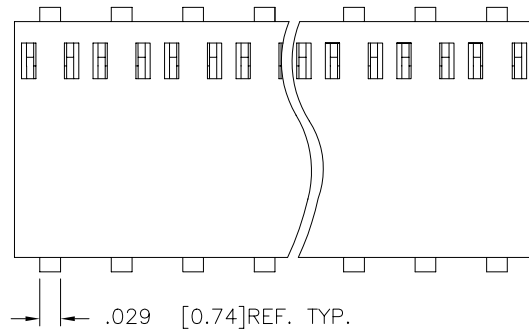




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PRODUCT NUMBER
SEE TABLE

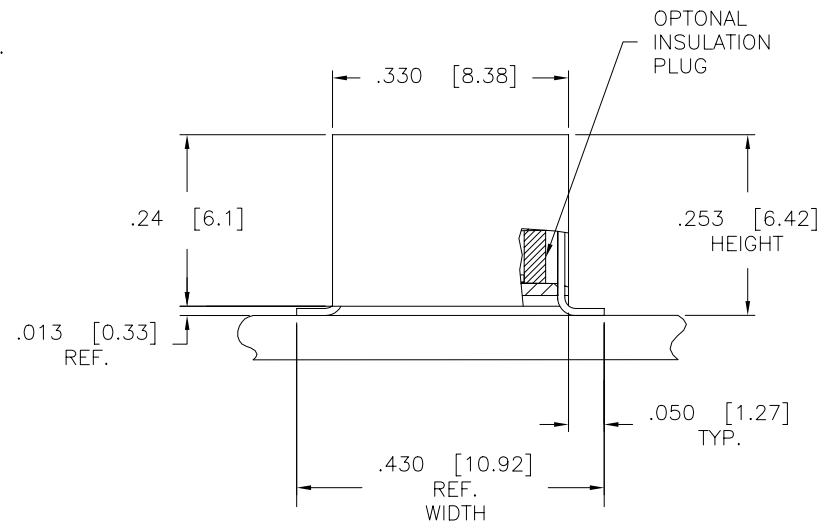


.100 [2.54] TYP.

□ .046 [1.17] TYP.
CONTACT OPENING

.100 [2.54]

P.C.B.

DIM "A" ± 0.10 [± 0.25].060 [1.52] MAX
TYP.DIM "B" MAX.
LGTH.

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				INCH/MM	title				
J	v50963	LSS	08/15/95	angles	linear	.XX ±0.1/.3			SDT SURFACE MOUNT				
K	v70466	MDF	10/01/97			.XXX ±.005/.13			CARD CONNECTOR				
L	v80029	LSS	01/30/96	0'±2'		.XXXX ±.0020/.051			scale 4:1	 dwg no 67848 sheet 1 of 7 size A3 type Product Customer Drawing			
M	v02386	AZ	10/06/00	dr	J. SHREINER	3/17/90							
N	v20148	GIP	02/01/02	enfr	M. HAHN	3/17/90							
P	M05-0181	MHT	8/22/05	chr	M. HAHN	3/17/90							
R	M06-0117	AEA	06/27/06	oppd	M. HAHN	3/17/90							
sheet index	revision sheet	R	R	R	R	R	R						
		1	2	3	4	5	6	7					

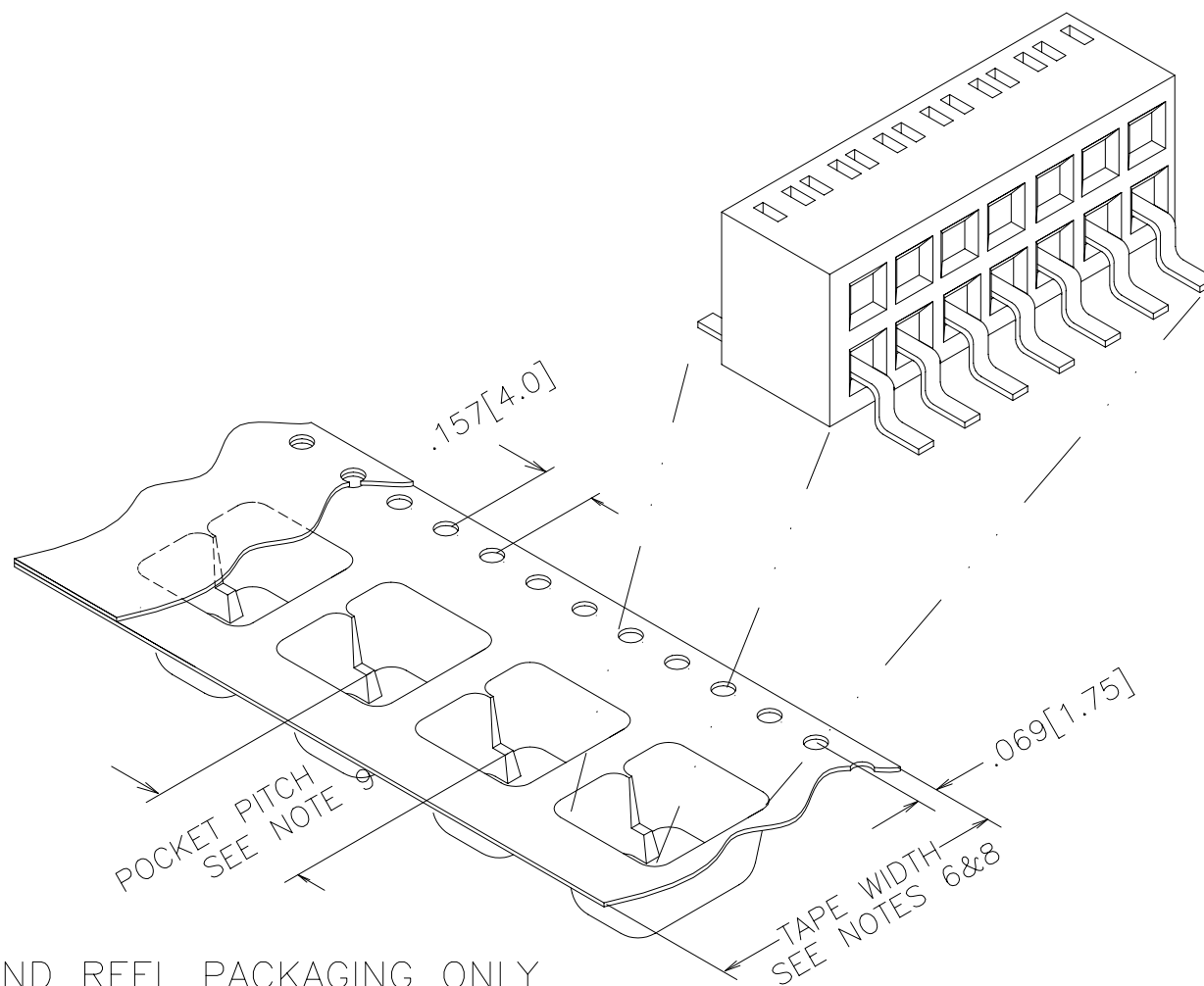
form: A3



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PRODUCT NUMBER
SEE TABLE



TAPE AND REEL PACKAGING ONLY
SEE NOTE 8

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				
R					angles	linear	.XX ±.01/.3		INCH/MM 	SDT SURFACE MOUNT CARD CONNECTOR				
					.XXX ±.005/.13									
					0°±2°		.XXXX ±.0020/.051							
					dr	J. SHREINER	3/17/90			dwg no		sheet 2 of 7		size
					engr	M. HAHN	3/17/90			67848		A3		
					chr	M. HAHN	3/17/90							
					appd	M. HAHN	3/17/90							
sheet index		revision sheet		1										

form: A3

PRODUCT NUMBER
SEE TABLE

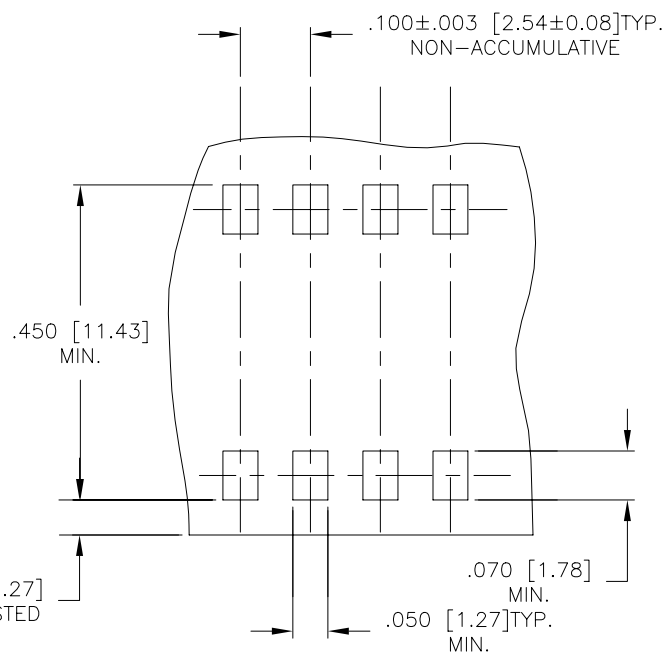


FIGURE 1
SCALE: 10:1
RECOMMENDED PCB FOOT PRINT
SEE NOTE 3

NOTES:

1. HOUSING MATERIAL: FILLED, HI TEMP NYLON, COLOR: BLACK
2. TERMINAL MATERIAL: BODY, .010/.25 THICK BRASS
SPRING, BeCu, HEAT TREATED
BODY PLATING: 30u"/.76um Au OVER 50u"/1.27um Ni IN CONTACT AREA.
SOLDERTAIL: 100u"/2.54um TIN/LEAD OVER 50u"/1.27um Ni
SPRING PLATING: Au FLASH
LF SOLDER TAIL:
100u"/2.54um Sn OVER 50u"/1.27um Ni. (NOTE 13)
3. APPLICATION INFORMATION:
A. RECOMMENDED SOLDER PAD PATTERN IS SHOWN IN FIG. 1.
B. ALL MATING PINS TO BE .025/.64 SQ.ON TRUE CENTER OF GIVEN TERMINAL SPACING WITHIN .015/.39 DIA.
C. SUGGESTED MATING PIN LENGTH .350 ± .020/8.89 ± 0.51.
4. TERMINAL MATERIAL: BODY, .010/.25 THICK
SPRING, BeCu, HEAT TREATED.
BODY PLATING: 30u"/.76um Au OVER 50u"/1.27um Ni IN CONTACT AREA.
SOLDERTAIL: Au FLASH
SPRING PLATING: Au FLASH
5. TAPE & REEL PACKAGING PER GES-14-344.
6. PART NUMBERS WITH THE SUFFIX "P" ADDED TO DASH NUMBER ARE TAPE & REEL PACKAGED.
7. TAPE & REEL PACKAGING FOR 24mm WIDE TAPE AND BELOW HAVE PILOT HOLE ON BOTH SIDES OF TAPE.
8. TAPE & REEL PACKAGING 56mm TAPE WIDTH, WITH 16mm POCKET PITCH
9. ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
10. THESE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
11. THIS PART WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
12. THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WISKER GROWTH IN ALL INTERCONNECT REQUIREMENTS

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				
R					angles	linear	.XX ±.01/.3			SDT SURFACE MOUNT						
							.XXX ±.005/.13			CARD CONNECTOR						
					0°±2°		.XXXX ±.0020/.051			scale 4:1						
					dr	J. SHREINER	3/17/90			dwg no		sheet 3 of 7		size		
					enrg	M. HAHN	3/17/90			67848		A3				
					chr	M. HAHN	3/17/90									
					appd	M. HAHN	3/17/90									
sheet index		revision sheet		1												



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PRODUCT NUMBER SEE TABLE	N. OF POS.	DIM. A	DIM. B	INSULATION PLUG	PLATING	TAPE & REEL PACKAGING	LEAD FREE OPTION
67848-001	2X1	.00/.0	.120/3.05	NO			NOTES 10,11
-002	2X2	.10/2.5	.220/5.59	NO			
-003	2X3	.20/5.0	.320/8.13	NO	NOTE 5	NO	
-004	2X4	.30/7.6	.420/10.67	NO	NOTE 5	NO	
-005	2X5	.40/10.1	.520/13.21	NO	NOTE 2	NO	
-006	2X6	.50/12.7	.620/15.75	NO	NOTE 2	NO	
-007	2X7	.60/15.2	.720/18.27	NO	NOTE 2	NO	
-008	2X8	.70/17.7	.820/20.83	NO	NOTE 2	NO	
-009	2X9	.80/20.3	.920/23.37	NO	NOTE 2	NO	
-010	2X10	.90/22.8	1.020/25.91	NO	NOTE 2	NO	
-011	2X11	1.00/25.4	1.120/28.45	NO	NOTE 2	NO	
-012	2X12	1.10/27.9	1.220/30.99	NO	NOTE 2	NO	
-013	2X13	1.20/30.4	1.320/33.53	NO	NOTE 2	NO	
-014	2X14	1.30/33.0	1.420/36.07	NO	NOTE 2	NO	
-015	2X15	1.40/35.5	1.520/38.61	NO	NOTE 2	NO	
-016	2X16	1.50/38.1	1.620/41.15	NO	NOTE 2	NO	
-017	2X17	1.60/40.6	1.720/43.69	NO	NOTE 2	NO	
-018	2X18	1.70/43.1	1.820/46.23	NO	NOTE 2	NO	
-019	2X19	1.80/45.7	1.920/48.77	NO	NOTE 2	NO	
-020	2X20	1.90/48.2	2.020/51.31	NO	NOTE 2	NO	
-021	2X21	2.00/50.8	2.120/53.85	NO	NOTE 2	NO	
-022	2X22	2.10/53.3	2.220/56.39	NO	NOTE 2	NO	
-023	2X23	2.20/55.8	2.320/58.93	NO	NOTE 2	NO	
-024	2X24	2.30/58.4	2.420/61.47	NO	NOTE 2	NO	
-025	2X25	2.40/60.9	2.520/64.01	NO	NOTE 2	NO	
-026	2X26	2.50/63.5	2.620/66.55	NO	NOTE 2	NO	
-027	2X27	2.60/66.0	2.720/69.09	NO	NOTE 2	NO	
-028	2X28	2.70/68.5	2.820/71.63	NO	NOTE 2	NO	
-029	2X29	2.80/71.1	2.920/74.17	NO	NOTE 2	NO	
-030	2X30	2.90/73.6	3.020/76.71	NO	NOTE 2	NO	
-031	2X31	3.00/76.2	3.120/79.25	NO	NOTE 2	NO	
-032	2X32	3.10/78.7	3.220/81.79	NO	NOTE 2	NO	
-033	2X33	3.20/81.2	3.320/84.33	NO	NOTE 2	NO	
-034	2X34	3.30/83.8	3.420/86.87	NO	NOTE 2	NO	
-035	2X35	3.40/86.3	3.520/89.41	NO	NOTE 2	NO	
-036	2X36	3.50/88.9	3.620/91.95	NO	NOTE 2	NO	
-037	2X37	3.60/91.4	3.720/94.49	NO	NOTE 2	NO	
-038	2X38	3.70/93.9	3.820/97.03	NO	NOTE 2	NO	
-039	2X39	3.80/96.5	3.920/99.57	NO	NOTE 2	NO	
67848-040	2X40	3.90/99.0	4.020/102.11	NO	NOTE 2	NO	NOTES 10,11

UNASSIGNED
UNASSIGNED

mat'l. code				surface ISO 1302 ☒ ISO 406 ISO 1101		tolerance ISO 406 ISO 1101		projection 		product family CARD CONN			
ltr		ecn no		dr		date		tolerances unless otherwise specified		title			
R								linear .XX ±.01/.3 .XXX ±.005/.13 .XXXX ±.0020/.051		INCH/MM		SDT SURFACE MOUNT CARD CONNECTOR	
								0'±2'		scale 4:1		dwg no sheet 4 of 7 size	
								dr J. SHREINER 3/17/90				A3	
								enr M. HAHN 3/17/90					
								chr M. HAHN 3/17/90					
								appd M. HAHN 3/17/90					
sheet index		revision sheet		1								type Product Customer Drawing	

form: A3



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PRODUCT NUMBER	N. OF POS.	DIM. A	DIM. B	INSULATION PLUG	PLATING	TAPE & REEL PACKAGING	LEAD FREE OPTION
67848-041	2X41	4.00/101.6	4.120/104.65	NO	NOTE 2	NO	NOTES 10,11
-042	2X42	4.10/104.1	4.220/107.19	NO	NOTE 2	NO	
-043	2X43	4.20/106.6	4.320/109.73	NO	NOTE 2	NO	
-044	2X44	4.30/109.2	4.420/112.27	NO	NOTE 2	NO	
-045	2X45	4.40/111.7	4.520/114.81	NO	NOTE 2	NO	
-046	2X46	4.50/114.3	4.620/117.35	NO	NOTE 2	NO	
-047	2X47	4.60/116.8	4.720/119.89	NO	NOTE 2	NO	
-048	2X48	4.70/119.3	4.820/122.43	NO	NOTE 2	NO	
-049	2X49	4.80/121.9	4.920/124.97	NO	NOTE 2	NO	
-050	2X50	4.90/124.4	5.020/127.51	NO	NOTE 2	NO	
-051	2X51	5.00/127.0	5.120/130.05	NO	NOTE 2	NO	
-052	2X52	5.10/129.5	5.220/132.59	NO	NOTE 2	NO	
-053	2X53	5.20/132.0	5.320/135.15	NO	NOTE 2	NO	
-054	2X54	5.30/134.6	5.420/137.67	NO	NOTE 2	NO	
-055	2X55	5.40/137.1	5.520/140.21	NO	NOTE 2	NO	
-056	2X56	5.50/139.7	5.620/142.76	NO	NOTE 2	NO	
-057	2X57	5.60/142.2	5.720/145.29	NO	NOTE 2	NO	
-058	2X58	5.70/144.7	5.820/147.83	NO	NOTE 2	NO	
-059	2X59	5.80/147.3	5.920/150.37	NO	NOTE 2	NO	
-060	2X60	5.90/149.8	6.020/152.91	NO	NOTE 2	NO	
-061	2X61	6.00/152.4	6.120/155.45	NO	NOTE 2	NO	
-062	2X62	6.10/154.9	6.220/157.99	NO	NOTE 2	NO	
-063	2X63	6.20/157.4	6.320/160.53	NO	NOTE 2	NO	
-064	2X64	6.30/160.0	6.420/163.07	NO	NOTE 2	NO	
67848-065	2X65	6.40/162.5	6.520/165.61	NO	NOTE 2	NO	NOTES 10,11
67848-013P	2X13	1.20/30.4	1.320/33.53	NO	NOTE 2	YES	

NOTE 7 & 9

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
R				angles	linear	INCH/MM	SDT SURFACE MOUNT CARD CONNECTOR
				0'±2'	.XX ±.01/.3 .XXX ±.005/.13 .XXXX ±.0020/.051	scale 4:1	
				dr	J. SHREINER	3/17/90	dwg no
				enr	M. HAHN	3/17/90	sheet5 of 7
				chr	M. HAHN	3/17/90	size
				appd	M. HAHN	3/17/90	A3
sheet index	revision sheet	1					type Product Customer Drawing



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PRODUCT NUMBER	N. OF POS.	DIM. A	DIM. B	INSULATION PLUG	PLATING	TAPE & REEL PACKAGING	LEAD FREE OPTION
67848-501	D I S C O N T I N U E D						NOTES 10,11
-502	2X2	.10/2.5	.220/5.59	YES			UNASSIGNED
-503	2X3	.20/5.0	.320/8.13	YES	NOTE 5	NO	
-504	2X4	.30/7.6	.420/10.67	YES	NOTE 5	NO	
-505	2X5	.40/10.1	.520/13.21	YES	NOTE 2	NO	
-506	2X6	.50/12.7	.620/15.75	YES	NOTE 2	NO	
-507	2X7	.60/15.2	.720/18.27	YES	NOTE 2	NO	
-508	2X8	.70/17.7	.820/20.83	YES	NOTE 2	NO	
-509	2X9	.80/20.3	.920/23.37	YES	NOTE 2	NO	
-510	2X10	.90/22.8	1.020/25.91	YES	NOTE 2	NO	
-511	2X11	1.00/25.4	1.120/28.45	YES	NOTE 2	NO	
-512	2X12	1.10/27.9	1.220/30.99	YES	NOTE 2	NO	
-513	2X13	1.20/30.4	1.320/33.53	YES	NOTE 2	NO	
-514	2X14	1.30/33.0	1.420/36.07	YES	NOTE 2	NO	
-515	2X15	1.40/35.5	1.520/38.61	YES	NOTE 2	NO	
-516	2X16	1.50/38.1	1.620/41.15	YES	NOTE 2	NO	
-517	2X17	1.60/40.6	1.720/43.69	YES	NOTE 2	NO	
-518	2X18	1.70/43.1	1.820/46.23	YES	NOTE 2	NO	
-519	2X19	1.80/45.7	1.920/48.77	YES	NOTE 2	NO	
-520	2X20	1.90/48.2	2.020/51.31	YES	NOTE 2	NO	
-521	2X21	2.00/50.8	2.120/53.85	YES	NOTE 2	NO	
-522	2X22	2.10/53.3	2.220/56.39	YES	NOTE 2	NO	
-523	2X23	2.20/55.8	2.320/58.93	YES	NOTE 2	NO	
-524	2X24	2.30/58.4	2.420/61.47	YES	NOTE 2	NO	
-525	2X25	2.40/60.9	2.520/64.01	YES	NOTE 2	NO	
-526	2X26	2.50/63.5	2.620/66.55	YES	NOTE 2	NO	
-527	2X27	2.60/66.0	2.720/69.09	YES	NOTE 2	NO	
-528	2X28	2.70/68.5	2.820/71.63	YES	NOTE 2	NO	
-529	2X29	2.80/71.1	2.920/74.17	YES	NOTE 2	NO	
-530	2X30	2.90/73.6	3.020/76.71	YES	NOTE 2	NO	
-531	2X31	3.00/76.2	3.120/79.25	YES	NOTE 2	NO	
-532	2X32	3.10/78.7	3.220/81.79	YES	NOTE 2	NO	
-533	2X33	3.20/81.2	3.320/84.33	YES	NOTE 2	NO	
-534	2X34	3.30/83.8	3.420/86.87	YES	NOTE 2	NO	
-535	2X35	3.40/86.3	3.520/89.41	YES	NOTE 2	NO	
-536	2X36	3.50/88.9	3.620/91.95	YES	NOTE 2	NO	
-537	2X37	3.60/91.4	3.720/94.49	YES	NOTE 2	NO	
-538	2X38	3.70/93.9	3.820/97.03	YES	NOTE 2	NO	
-539	2X39	3.80/96.5	3.920/99.57	YES	NOTE 2	NO	
67848-540	2X40	3.90/99.0	4.020/102.11	YES	NOTE 2	NO	NOTES 10,11

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
R				angles	linear	INCH/MM	SDT SURFACE MOUNT CARD CONNECTOR
				0°±2'	.XX ±.01/.3 .XXX ±.005/.13 .XXXX ±.0020/.051	scale 4:1	
				dr	J. SHREINER	3/17/90	dwg no
				enr	M. HAHN	3/17/90	sheet 6 of 7
				chr	M. HAHN	3/17/90	size
				appd	M. HAHN	3/17/90	A3
sheet index	revision sheet	1					type Product Customer Drawing

form: A3



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PRODUCT NUMBER		N. OF POS.	DIM. A	DIM. B	INSULATION PLUG	PLATING	TAPE & REEL PACKAGING	LEAD FREE OPTION										
67848-541	2X41	4.00/101.6	4.120/104.65	YES	NOTE 2	NO	NOTES 10,11											
-542	2X42	4.10/104.1	4.220/107.19	YES	NOTE 2	NO												
-543	2X43	4.20/106.6	4.320/109.73	YES	NOTE 2	NO												
-544	2X44	4.30/109.2	4.420/112.27	YES	NOTE 2	NO												
-545	2X45	4.40/111.7	4.520/114.81	YES	NOTE 2	NO												
-546	2X46	4.50/114.3	4.620/117.35	YES	NOTE 2	NO												
-547	2X47	4.60/116.8	4.720/119.89	YES	NOTE 2	NO												
-548	2X48	4.70/119.3	4.820/122.43	YES	NOTE 2	NO												
-549	2X49	4.80/121.9	4.920/124.97	YES	NOTE 2	NO												
-550	2X50	4.90/124.4	5.020/127.51	YES	NOTE 2	NO												
-551	2X51	5.00/127.0	5.120/130.05	YES	NOTE 2	NO												
-552	2X52	5.10/129.5	5.220/132.59	YES	NOTE 2	NO												
-553	2X53	5.20/132.0	5.320/135.15	YES	NOTE 2	NO												
-554	2X54	5.30/134.6	5.420/137.67	YES	NOTE 2	NO												
-555	2X55	5.40/137.1	5.520/140.21	YES	NOTE 2	NO												
-556	2X56	5.50/139.7	5.620/142.76	YES	NOTE 2	NO												
-557	2X57	5.60/142.2	5.720/145.29	YES	NOTE 2	NO												
-558	2X58	5.70/144.7	5.820/147.83	YES	NOTE 2	NO												
-559	2X59	5.80/147.3	5.920/150.37	YES	NOTE 2	NO												
-560	2X60	5.90/149.8	6.020/152.91	YES	NOTE 2	NO												
-561	2X61	6.00/152.4	6.120/155.45	YES	NOTE 2	NO												
-562	2X62	6.10/154.9	6.220/157.99	YES	NOTE 2	NO												
-563	2X63	6.20/157.4	6.320/160.53	YES	NOTE 2	NO												
-564	2X64	6.30/160.0	6.420/163.07	YES	NOTE 2	NO												
67848-565	2X65	6.40/162.5	6.520/165.61	YES	NOTE 2	NO	NOTES 10,11											

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			
R					angles	linear	.XX ±.01/.3	INCH/MM	SDT SURFACE MOUNT				
							.XXX ±.005/.13		CARD CONNECTOR				
					0'±2'		.XXXX ±.0020/.051		scale 4:1				
					dr	J. SHREINER	3/17/90		dwg no		sheet 7 of 7		size
					enr	M. HAHN	3/17/90		67848				A3
					chr	M. HAHN	3/17/90						
					appd	M. HAHN	3/17/90		type		Product Customer Drawing		
sheet index		revision sheet		1									