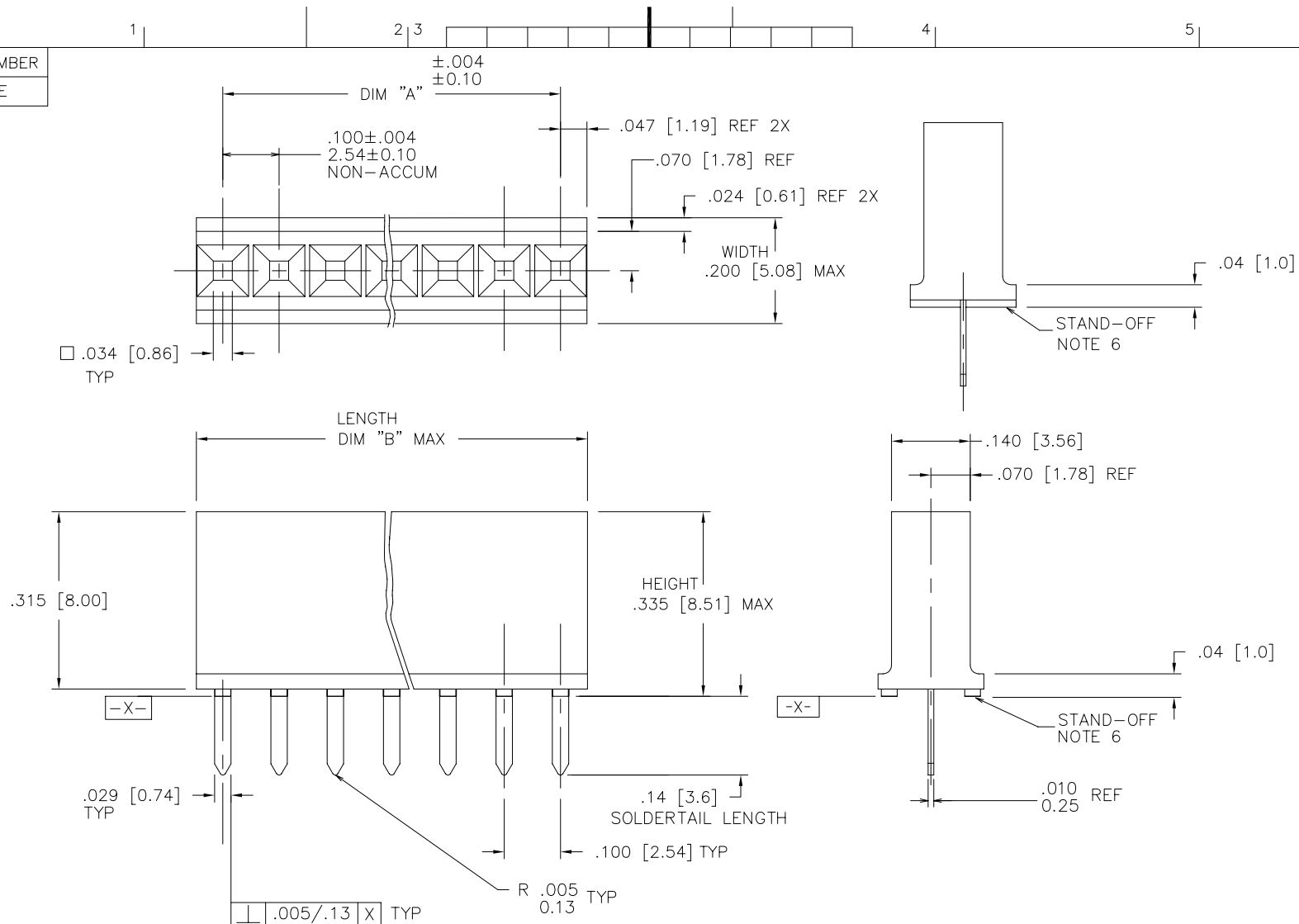




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PRODUCT NUMBER
SEE TABLE



mat'l. code SEE NOTE 1 & 2				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family CARD CONN
ltr	ec	no	dr	date	tolerances unless otherwise specified	scale 4:1 FCI	title
N	V70080	MDF	2/27/97		angles linear		VERT. CARD CONNECTOR
P	V94332	DAI	11/16/99				.100/2.54 CTR. SINGLE ROW
R	V94468	MDF	12/27/99	0'±2'			dwg no
S	V00802	MDF	4/18/00	dr	R. SEIPLE		sheet 1 of 6 size
T	M05-0229	ERE	5/07/05	enr	M.HAHN		65780 A3
U	M06-0210	MHT	5/03/06	chr	M.HAHN		type
V	M07-0143	ERE	03/03/07	app	M.HAHN		Product Customer Drawing
sheet index	revision	V	V	V	V	V	
sheet	index	1	2	3	4	5	6

form: A3

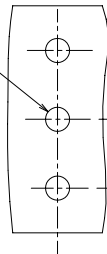


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PRODUCT NUMBER
SEE TABLE

$\varnothing .035 \pm .003$
 $0.89 \pm .08$
 TYP



$.100$
 2.54
 NON-ACCUM.
 TYP

RECOMMENDED P. C. B.
 SCALE 4:1

NOTES.

- HOUSING MATERIAL: FILLED POLYESTER,
FLAME RETARDANT PER UL 94V-0.
COLOR: BLACK.
- TERMINAL MATERIAL AND PLATING: SEE TABULATION
- RECOMMENDED PIN SIZE $.25 \pm .001 / 0.65 \pm 0.03$.
- RECOMMENDED PIN LENGTH: $.210 \pm .020 / 5.33 \pm 0.51$.
- MARK FCI PART NUMBER AND DATE CODE LEGIBLE ON TUBE LABEL.
- STAND-OFF CONFIGURATION BUMP OR RIB AT MANUFACTURERS OPTION.
- SOLDER TAIL IS POST PLATED GOLD.
THE "V" SHAPED TIP OF SOLDER TAIL ALLOWED BARE EDGES DUE TO CUT-OFF
- ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- 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.
- "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT
ENVIRONMENTS."

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
V				angles	linear	INCH/MM	VERT. CARD CONNECTOR
						scale 4:1	.100/2.54 CTR. SINGLE ROW
				dr	R. SEIPLE	8/11/98	dwg no
				enr	M.HAHN	8/11/98	sheet 2 of 6
				chr	M.HAHN	8/11/98	size
				appd	M.HAHN	8/11/98	A3
sheet	revision						type
index	sheet						Product Customer Drawing

form: A3



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PRODUCT NO	SIZE	DIM A	DIM B	MATERIAL AND PLATING	LEAD FREE OPTION
65780-001				UNASSIGNED	
-002	1 X 2	.100/2.54	.200/5.08		
-003	1 X 3	.200/5.08	.300/7.62	BODY MATERIAL: BRASS	
-004	1 X 4	.300/7.62	.400/10.16	BODY PLATING: 40u"/1.02u MIN THICKNESS	
-005	1 X 5	.400/10.16	.500/12.70	C. I. GOLD INSIDE CONTACT AREA.	
-006	1 X 6	.500/12.70	.600/15.24	10u"/.25u MIN GOLD ON REST OF	
-007	1 X 7	.600/15.24	.700/17.78	TERMINAL BODY OVER 50u"/1.27u MIN	
-008	1 X 8	.700/17.78	.800/20.32	NICKEL	
-009	1 X 9	.800/20.32	.900/22.86	SPRING MAT'L: BeCu HEAT TREATED	
-010	1 X 10	.900/22.86	1.000/25.40	SPRING PLATING: GOLD FLASH	
-011	1 X 11	1.000/25.40	1.100/27.94		
-012	1 X 12	1.100/27.94	1.200/30.48		
-013	1 X 13	1.200/30.48	1.300/33.02		
-014	1 X 14	1.300/33.02	1.400/35.56		
-015	1 X 15	1.400/35.56	1.500/38.10		
-016	1 X 16	1.500/38.10	1.600/40.64		
-017	1 X 17	1.600/40.64	1.700/43.18		
-018	1 X 18	1.700/43.18	1.800/45.72		
-019	1 X 19	1.800/45.72	1.900/48.26		
-020	1 X 20	1.900/48.26	2.000/50.08		
-021	1 X 21	2.000/50.08	2.100/53.34		
-022	1 X 22	2.100/53.34	2.200/55.88		
-023	1 X 23	2.200/55.88	2.300/58.42		
-024	1 X 24	2.300/58.42	2.400/60.96		
-025	1 X 25	2.400/60.96	2.500/63.50		
-026	1 X 26	2.500/63.50	2.600/66.04		
-027	1 X 27	2.600/66.04	2.700/68.58		
-028	1 X 28	2.700/68.58	2.800/71.12		
65780-029	1 X 29	2.800/71.12	2.900/73.66		

NOTE 8, 9

NOTE 8, 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	INCH/MM scale 4:1 	title
V					linear .XX±.01/.X±.3		VERT. CARD CONNECTOR
					0'±2' .XXX±.0.005/.XX±.13 .XXXX±.0020/.XXX±.051		.100/2.54 CTR. SINGLE ROWY
				dr	R. SEIPLE 8/11/98		dwg no
				enr	M.HAHN 8/11/98		sheet 3 of 6 size
				chr	M.HAHN 8/11/98		65780 A3
				appd	M.HAHN 8/11/98		type Product Customer Drawing
sheet index	revision sheet						

form: A3



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PRODUCT NO	SIZE	DIM A	DIM B	MATERIAL AND PLATING	LEAD FREE OPTION
65780-030	1 X 30	2.900/73.66	3.000/76.20	UNASSIGNED	
-031	1 X 31	3.000/76.20	3.100/78.74	BODY MATERIAL: BRASS BODY PLATING: 40u"/1.02u MIN THICKNESS C. I. GOLD INSIDE CONTACT AREA. 10u"/.25u MIN GOLD ON REST OF TERMINAL BODY OVER 50u"/1.27u MIN NICKEL. SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: GOLD FLASH	NOTE 8, 9
-032	1 X 32	3.100/78.74	3.200/81.28		
-033	1 X 33	3.200/81.28	3.300/83.82		
-034	1 X 34	3.300/83.82	3.400/86.36		
-035	1 X 35	3.400/86.36	3.500/88.90		
-036	1 X 36	3.500/88.90	3.600/91.44		
-037				UNASSIGNED	
-038	1 X 2	.100/2.54	.200/5.08	BODY MATERIAL: BRASS BODY PLATING: 100u"/2.54u THICK Sn PLATE. SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: 30u"/.76u MIN ELECTROLESS TIN.	NOTE 8, 9 & 11
-039	1 X 3	.200/5.08	.300/7.62		
-040	1 X 4	.300/7.62	.400/10.16		
-041	1 X 5	.400/10.16	.500/12.70		
-042	1 X 6	.500/12.70	.600/15.24		
-043	1 X 7	.600/15.24	.700/17.78		
-044	1 X 8	.700/17.78	.800/20.32		
-045	1 X 9	.800/20.32	.900/22.86		
-046	1 X 10	.900/22.86	1.000/25.40		
-047	1 X 11	1.000/25.40	1.100/27.94		
-048	1 X 12	1.100/27.94	1.200/30.48		
-049	1 X 13	1.200/30.48	1.300/33.02		
-050	1 X 14	1.300/33.02	1.400/35.56		
-051	1 X 15	1.400/35.56	1.500/38.10		
-052	1 X 16	1.500/38.10	1.600/40.64		
-053	1 X 17	1.600/40.64	1.700/43.18		
-054	1 X 18	1.700/43.18	1.800/45.72		
-055	1 X 19	1.800/45.72	1.900/48.26		
-056	1 X 20	1.900/48.26	2.000/50.08		
-057	1 X 21	2.000/50.08	2.100/53.34		
65780-058	1 X 22	2.100/53.34	2.200/55.88		NOTE 8, 9 & 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	INCH/MM scale 4:1 	title
V					angles linear .XX±.01/.X±.3		VERT. CARD CONNECTOR
					0'±2' .XXX±.0.005/.XX±.13 .XXXX±.0020/.XXX±.051		.100/2.54 CTR. SINGLE ROWY
				dr	R. SEIPLE 8/11/98		dwg no sheet 4 of 6 size
				enr	M.HAHN 8/11/98		65780 A3
				chr	M.HAHN 8/11/98		type Product Customer Drawing
				appd	M.HAHN 8/11/98		
sheet index	revision sheet						



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PRODUCT NO	SIZE	DIM A	DIM B	MATERIAL AND PLATING	LEAD FREE OPTION
65780-059	1 X 23	2.200/55.88	2.300/58.42	UNASSIGNED	
-060	1 X 24	2.300/58.42	2.400/60.96	BODY MATERIAL: BRASS BODY PLATING: 100u"/2.54u THICK Sn PLATE. SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: 30u"/.76u MIN ELECTROLESS TIN.	NOTE 8, 9 & 11
-061	1 X 25	2.400/60.96	2.500/63.50		
-062	1 X 26	2.500/63.50	2.600/66.04		
-063	1 X 27	2.600/66.04	2.700/68.58		
-064	1 X 28	2.700/68.58	2.800/71.12		
-065	1 X 29	2.800/71.12	2.900/73.66		
-066	1 X 30	2.900/73.66	3.000/76.20		
-067	1 X 31	3.000/76.20	3.100/78.74		
-068	1 X 32	3.100/78.74	3.200/81.28		
-069	1 X 33	3.200/81.28	3.300/83.82		
-070	1 X 34	3.300/83.82	3.400/86.36		
-071	1 X 35	3.400/86.36	3.500/88.90		
-072	1 X 36	3.500/88.90	3.600/91.44		NOTE 8, 9 & 11
-073				UNASSIGNED	
-074	1 X 2	.100/2.54	.200/5.08		
-075	1 X 3	.200/5.08	.300/7.62	BODY MATERIAL: Cu BODY PLATING: 10u"/.25u Au FLASH INSIDE CONTACT AREA ONLY, WITH .001/.03 MIN HIGH Au DOT. SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: GOLD FLASH	NOTE 8, 9
-076	1 X 4	.300/7.62	.400/10.16		
-077	1 X 5	.400/10.16	.500/12.70		
-078	1 X 6	.500/12.70	.600/15.24		
-079	1 X 7	.600/15.24	.700/17.78		
-080	1 X 8	.700/17.78	.800/20.32		
-081	1 X 9	.800/20.32	.900/22.86		
-082	1 X 10	.900/22.86	1.000/25.40		
-083	1 X 11	1.000/25.40	1.100/27.94		
-084	1 X 12	1.100/27.94	1.200/30.48		
-085	1 X 13	1.200/30.48	1.300/33.02		
-086	1 X 14	1.300/33.02	1.400/35.56		NOTE 8, 9
65780-087	1 X 15	1.400/35.56	1.500/38.10		

OBS

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 scale 4:1 	title
V				angles	linear		VERT. CARD CONNECTOR
				0°±2°			.100/2.54 CTR. SINGLE ROW
				dr	R. SEIPLE	8/11/98	dwg no
				enr	M.HAHN	8/11/98	sheet5 of 6 size
				chr	M.HAHN	8/11/98	65780 A3
				appd	M.HAHN	8/11/98	type Product Customer Drawing
sheet index	revision sheet						

form: A3



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PRODUCT NO	SIZE	DIM A	DIM B	MATERIAL AND PLATING	LEAD FREE OPTION
65780-088	1 X 16	1.500/38.10	1.600/40.64	UNASSIGNED	
-089	1 X 17	1.600/40.64	1.700/43.18	BODY MATERIAL: Cu BODY PLATING: 10u"/.25u Au FLASH INSIDE CONTACT AREA ONLY, WITH .001/.03 MIN HIGH Au DOT. SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: GOLD FLASH	NOTE 8, 9
-090	1 X 18	1.700/43.18	1.800/45.72		
-091	1 X 19	1.800/45.72	1.900/48.26		
-092	1 X 20	1.900/48.26	2.000/50.08		
-093	1 X 21	2.000/50.08	2.100/53.34		
-094	1 X 22	2.100/53.34	2.200/55.88		
-095	1 X 23	2.200/55.88	2.300/58.42		
-096	1 X 24	2.300/58.42	2.400/60.96		
-097	1 X 25	2.400/60.96	2.500/63.50		
-098	1 X 26	2.500/63.50	2.600/66.04		
-099	1 X 27	2.600/66.04	2.700/68.58		
-100	1 X 28	2.700/68.58	2.800/71.12		
-101	1 X 29	2.800/71.12	2.900/73.66		
-102	1 X 30	2.900/73.66	3.000/76.20		
-103	1 X 31	3.000/76.20	3.100/78.74		
-104	1 X 32	3.100/78.74	3.200/81.28		
-105	1 X 33	3.200/81.28	3.300/83.82		
-106	1 X 34	3.300/83.82	3.400/86.36		
-107	1 X 35	3.400/86.36	3.500/88.90		
-108	1 X 36	3.500/88.90	3.600/91.44		
65780-110	1 X 5	.400/10.16	.500/12.70	BODY MATERIAL: BRASS BODY PLATING: 100μ"/2.54μ THICK Sn PLATE. SPRING MAT'L: BeCu HEAT TREATED SPRING PLATING: 30u"/.76u MIN ELECTROLESS TIN.	NOTE 8, 9 & 11
65780-111	1 X 8	.700/17.78	.800/20.32	BODY MATERIAL: BRASS BODY PLATING: 40μ"/1.02μ" Au IN CONTACT AREA ONLY, REMAINDER OF BODY .003μ"/.08μ" Au. SOLDER TAIL: POST PLATED GOLD SPRING: BeCu HEAT TREATED SPRING PLATING: GOLD FLASH	NOTE 8, 9

NOTE 7									
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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 scale 4:1 	title
V					.XX±.01/.X±.3 .XXX±.0.005/.XX±.13 .XXXX±.0020/.XXX±.051		VERT. CARD CONNECTOR
					angles linear 0°±2'		.100/2.54 CTR. SINGLE ROW
					dr R. SEIPLE 8/11/98		dwg no
					enr M.HAHN 8/11/98		sheet 6 of 6 size
					chr M.HAHN 8/11/98		65780 A3
					appd M.HAHN 8/11/98		type Product Customer Drawing
sheet index	revision sheet						

form: A3