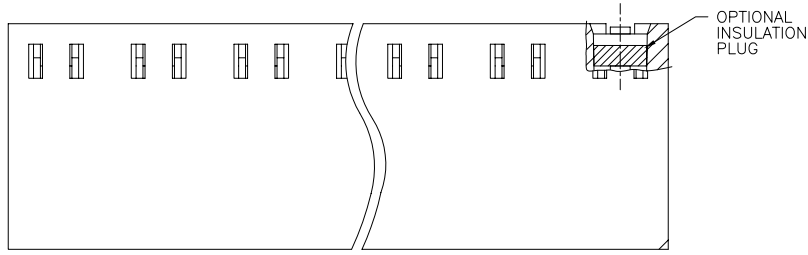


PRODUCT NO.  
SEE TABLE



OPTIONAL  
INSULATION  
PLUG

LENGTH

DIM  $\frac{.000}{-.020}$  [0.00 / 0.51]

DIM A  $\pm 0.10$  [0.25]

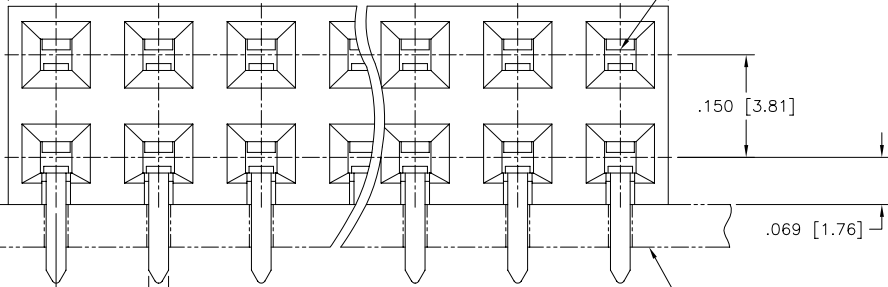
.075 [1.90]  
MAX

.150 [3.81]  
TYP

.046 [1.17]  
CONTACT  
OPENING

WIDTH

.33 [8.4]



.150 [3.81]

.069 [1.76]

PRINTED  
CIRCUIT  
BOARD

.290 [7.36]  
HEIGHT

OPTIONAL  
INSULATION  
PLUG  
(SEE TABLE)

90°±10°  
TYP

.115 [2.92] ± .025 [0.64]

.310 [7.87]  
REF  
AT BOTTOM OF HOUSING

90°  
REF  
TYP

.029 [0.74]  
REF  
TYP



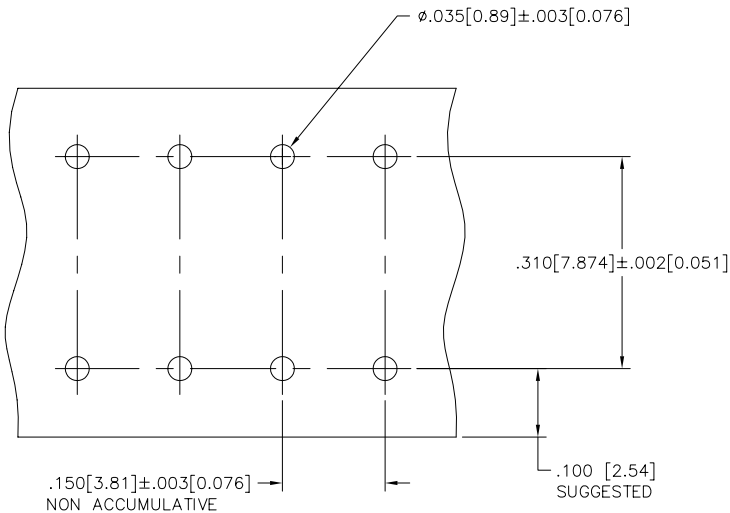
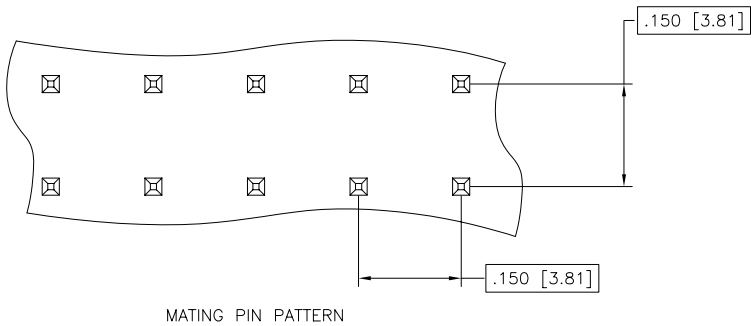
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mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family CARD CONN.	
ltr	ecn no	dr	date	tolerances unless otherwise specified						title	
Y	V40328	MSC	3/31/94	angles	linear	.xx±.01/.3		INCH/MM		BERGCON HORIZ. CARD CONN	
AA	V41413	MRC	9/30/94			.xxx±.005/.13		scale 4:1		DOUBLE ROW .150/3.81 cc	
AB	V61617	MDF	10/30/96	0°±2'		.xxxx±.0020/.051				dwg no	
AC	V70992	JM	10/12/97	dr	E.J.HALEY	1/20/86				sheet 1 of 7 size	
AD	V02523	AZ	10/23/00	enrg	R.HOFFMAN	1/20/86				65002 A3	
AE	M05-0181	MHT	9/05/05	chr	H.SUNDY	1/20/86				type Product Customer Drawing	
AF	M06-0319	MHT	8/21/06	appd	R.HOFFMAN	1/20/86					
sheet	revision	AF	AF	AF	AF	AF	AF	AF	AF		
index	sheet	1	2	3	4	5	6	7			

form: A3

PRODUCT NO.  
SEE TABLE



NOTES:

- ① HOUSING MATERIAL:  
FILLED HIGH TEMPERATURE NYLON  
COLOR: BLACK
- ② TERMINAL MATERIAL:  
BODY: 1/4 HARD BRASS, .010/0.25 THICK - ALLOY 260  
SPRING: BE - CU. HEAT TREATED, ALLOY 172  
SEE TABLE FOR THICKNESS  
BODY PLATING: SEE TABLE FOR PLATING THICKNESS  
IN CONTACT AREA.  
LEAD FREE PLATING:  
100 $\mu$ "/2.54 $\mu$  Sn OVER 50 $\mu$ "/1.27 $\mu$  Ni. (NOTE 8)
3. MARKING: "FCI", FCI PART NUMBER AND DATE CODE.  
LEGIBLE ON TUBE LABEL.
4. APPLICATION INFORMATION:  
A. RECOMMENDED MOUNTING HOLE PATTERN IS SHOWN AT LEFT.  
B. ALL MATING PINS TO BE .025/0.84 SQUARE ON TRUE  
CENTER OF GIVEN TERMINAL SPACING WITHIN .015/0.38 DIA.  
C. SUGGESTED MATING PIN LENGTH .350 $\pm$ .020/8.89 $\pm$ 0.51.
- ⑤ ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD  
FREE OPTION.
- ⑥ THESE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
7. THIS PART WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 20 SECONDS IN A WAVE SOLDER, INFRA-RED OR VAPOR PHASE  
SOLDER PROCESS.
8. THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT  
BEEN TESTED FOR WISKERS GROWTH IN ALL INTERCONNECT ENVIROMENTS.



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family CARD CONN.	
ltr		ecn no		dr		date		title	
AF								BERGCON HORIZ. CARD CONN DOUBLE ROW .150/3.81 cc	
								dwg no 65002	
								sheet 2 of 7 size A3	
								type Product Customer Drawing	
sheet index		revision sheet							

PRODUCT NUMBER	HOUSING MATERIAL	NO. OF POS.	DIM A	DIM B	SPRING THICKNESS	PLATING	SPECIAL MARKINGS AND MISCELLANEOUS	CUSTOMER RESTRICTED	LEAD FREE OPTION
65002-001	HT NYLON	2X8	1.050/26.67	1.200/30.48	.0035/0.089	40u"1.02u Au OVER 50u"/1.27u Ni			NOTE 5,6
-002		2X8	1.050/26.67	1.200/30.48					
-003		2X9	1.200/30.48	1.350/34.29					
-004		2X9	1.200/30.48	1.350/34.29					
-005		2X10	1.350/34.29	1.500/38.10					
-006		2X10	1.350/34.29	1.500/38.10					
-007		2X11	1.500/38.10	1.650/41.91					
-008		2X11	1.500/38.10	1.650/41.91					
-009		2X12	1.650/41.91	1.800/45.72					
-010		2X12	1.650/41.91	1.800/45.72					
-011		2X13	1.800/45.72	1.950/49.53					
-012		2X13	1.800/45.72	1.950/49.53					
-013		2X14	1.950/49.53	2.100/53.34					
-014		2X14	1.950/49.53	2.100/53.34					
-015		2X15	2.100/53.34	2.250/57.15					
-016		2X15	2.100/53.34	2.250/57.15					
-017		2X16	2.250/57.15	2.400/60.96					
-018		2X16	2.250/57.15	2.400/60.96					
-019		2X17	2.400/60.96	2.550/64.77					
-020		2X17	2.400/60.96	2.550/64.77					
-021		2X18	2.550/64.77	2.700/68.58					
-022		2X18	2.550/64.77	2.700/68.58					
-023		2X19	2.700/68.58	2.850/72.39					
-024		2X19	2.700/68.58	2.850/72.39					
-025		2X20	2.850/72.39	3.000/76.20					
-026		2X20	2.850/72.39	3.000/76.20					
-027		2X21	3.000/76.20	3.150/80.01					
-028		2X21	3.000/76.20	3.150/80.01					
-029		2X22	3.150/80.01	3.300/83.82					
-030		2X22	3.150/80.01	3.300/83.82					
-031		2X23	3.300/83.82	3.450/87.63					
-032		2X23	3.300/83.82	3.450/87.63					
-033		2X24	3.450/87.63	3.600/91.44					
-034		2X24	3.450/87.63	3.600/91.44					
65002-035	HT NYLON	2X25	3.600/91.44	3.750/95.25	.0035/0.089	40u"1.02u Au OVER 50u"/1.27u Ni			NOTE 5,6



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family CARD CONN.	
ltr	ecn	no	dr	tolerances unless otherwise specified		INCH/MM		title	
AF				angles	linear	.xx±.01/.3		BERGCON HORIZ. CARD CONN	
				0°±2'		.xxx±.005/.13		DOUBLE ROW .150/3.81 cc	
						.xxxx±.0020/.051		scale 4:1	
				dr	E.J.HALEY	1/20/86		dwg no	
				enr	R.HOFFMAN	1/20/86		sheet 3 of 7 size	
				chr	H.SUNDY	1/20/86		65002 A3	
				appd	R.HOFFMAN	1/20/86		type Product Customer Drawing	
sheet index	revision sheet								

PRODUCT NUMBER	HOUSING MATERIAL	NO. OF POS.	DIM A	DIM B	SPRING THICKNESS	PLATING	SPECIAL MARKINGS AND MISCELLANEOUS	CUSTOMER RESTRICTED	LEAD FREE OPTION
65002-036	HT NYLON	2X25	3.600/91.44	3.750/95.25	.0035/0.089	40u"1.02u Au OVER 50u"/1.27u Ni			NOTE 5,6
-037		2X26	3.750/95.25	3.900/99.06					
-038		2X26	3.750/95.25	3.900/99.06					
-039		2X27	3.900/99.06	4.050/102.87					
-040		2X27	3.900/99.06	4.050/102.87					
-041		2X28	4.050/102.87	4.200/106.68					
-042		2X28	4.050/102.87	4.200/106.68					
-043		2X29	4.200/106.68	4.350/110.49					
-044		2X29	4.200/106.68	4.350/110.49					
-045		2X30	4.350/110.49	4.500/114.30					
-046		2X30	4.350/110.49	4.500/114.30					
-047		2X31	4.500/114.30	4.650/118.11					
-048		2X31	4.500/114.30	4.650/118.11					
-049		2X32	4.650/118.11	4.800/121.92					
-050		2X32	4.650/118.11	4.800/121.92					
-051		2X33	4.800/121.92	4.950/125.73					
-052		2X33	4.800/121.92	4.950/125.73					
-053		2X34	4.950/125.73	5.100/129.54					
-054		2X34	4.950/125.73	5.100/129.54					
-055		2X35	5.100/129.54	5.250/133.35					
-056		2X35	5.100/129.54	5.250/133.35					
-057		2X36	5.250/133.35	5.400/137.16					
-058		2X36	5.250/133.35	5.400/137.16					
-059		2X37	5.400/137.16	5.550/140.97					
-060		2X37	5.400/137.16	5.550/140.97					
-061		2X38	5.550/140.97	5.700/144.78					
-062		2X38	5.550/140.97	5.700/144.78					
-063		2X39	5.700/144.78	5.850/148.59					
-064		2X39	5.700/144.78	5.850/148.59					
-065		2X40	5.850/148.59	6.000/152.40					
-066		2X40	5.850/148.59	6.000/152.40	.0035/0.089				
-067		2X5	.600/15.24	.750/19.05	.0048/0.122				
-068		2X5	.600/15.24	.750/19.05	.0048/0.122	40u"1.02u Au OVER 50u"/1.27u Ni			
-069		2X16	2.250/57.15	2.400/60.96	.0035/0.089	50u"1.27u Au OVER 50u"/1.27u Ni			
65002-070	HT NYLON	2X16	2.250/57.15	2.400/60.96	.0035/0.089	50u"1.27u Au OVER 50u"/1.27u Ni			NOTE 5,6



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family CARD CONN.	
ltr		ecn no		date		tolerances unless otherwise specified		title	
AF						.xx±.01/.3		BERGCON HORIZ. CARD CONN	
						.xxx±.005/.13		DOUBLE ROW .150/3.81 cc	
						.xxxx±.0020/.051		scale 4:1	
						dr E.J.HALEY 1/20/86		dwg no	
						enr R.HOFFMAN 1/20/86		sheet 4 of 7 size	
						chr H.SUNDY 1/20/86		65002 A3	
						appd R.HOFFMAN 1/20/86		type Product Customer Drawing	
sheet index		revision sheet							

PRODUCT NUMBER	HOUSING MATERIAL	NO. OF POS.	DIM A	DIM B	SPRING THICKNESS	PLATING NOTE 2	SPECIAL MARKINGS AND MISCELLANEOUS	CUSTOMER RESTRICTED	LEAD FREE OPTION
65002-071	HT NYLON	2X8	1.050/26.67	1.200/30.48	.0035/0.089	50u"/1.27u Au OVER 50u"/1.27u Ni			NOTE 5,6
-072		2X8	1.050/26.67	1.200/30.48		50u"/1.27u Au OVER 50u"/1.27u Ni			
-073		2X26	3.750/95.25	3.900/99.06		40u"/1.02u Au OVER 50u"/1.27u Ni		RESTRICTED	
-074		2X5	.600/15.24	.750/19.05					
-075		2X5	.600/15.24	.750/19.05					
-076		2X6	.750/19.05	.900/22.86					
-077		2X6	.750/19.05	.900/22.86					
-078		2X7	.900/22.86	1.050/26.67					
-079		2X7	.900/22.86	1.050/26.67					
-080		2X43	6.300/160.02	6.450/163.83					
-081		2X43	6.300/160.02	6.450/163.83					
-082		2X1	.090/0.09	.150/3.81					OBS.
-083		2X1	.090/0.09	.150/3.81					OBS.
-084		2X2	.150/3081	.300/7.62					
-085		2X2	.150/3081	.300/7.62					
-086		2X3	.300/7.62	.450/11.43					
-087		2X3	.300/7.62	.450/11.43					
-088		2X4	.450/11.43	.600/15.24					
-089		2X4	.450/11.43	.600/15.24					
-090		2X41	6.000/152.40	6.150/156.21					
-091		2X41	6.000/152.40	6.150/156.21					
-092		2X42	6.150/156.21	6.300/160.02					
-093		2X42	6.150/156.21	6.300/160.02		40u"/1.02u Au OVER 50u"/1.27u Ni			
-094		2X30	4.350/110.49	4.500/114.30		100u"/2.54u TIN/LEAD		RESTRICTED	
-095		2X25	3.600/91.44	3.750/95.25		40u"/1.02u Au OVER 50u"/1.27u Ni		RESTRICTED	
-096		2X5	.600/15.24	.750/19.05		40u"/1.02u Au OVER 50u"/1.27u Ni		RESTRICTED	
-097		2X10	1.350/34.29	1.500/38.10		40u"/1.02u Au OVER 50u"/1.27u Ni		RESTRICTED	
-098		2X17	2.400/60.96	2.550/64.77		30u"/0.76u Au OVER 50u"/1.27u Ni		RESTRICTED	
-099		2X23	3.300/83.82	3.450/87.63		30u"/0.76u Au OVER 50u"/1.27u Ni		RESTRICTED	
-100		2X30	4.350/110.49	4.500/114.30				RESTRICTED	
-101		2X41	6.000/152.40	6.150/156.21				RESTRICTED	
-102		2X42	6.150/156.21	6.300/160.02				RESTRICTED	
-103		2X10	1.350/34.29	1.500/38.10			INSUL PLUG	RESTRICTED	
-104		2X15	2.100/53.34	2.250/57.15			INSUL PLUG	RESTRICTED	
65002-105	HT NYLON	2X24	3.450/87.63	3.600/91.44	.0035/0.089	30u"/0.76u Au OVER 50u"/1.27u Ni	INSUL PLUG	RESTRICTED	NOTE 5,6



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family CARD CONN.	
ltr		ecn no		date		tolerances unless otherwise specified		title	
AF						.xx±.01/.3		BERGCON HORIZ. CARD CONN	
						.xxx±.005/.13		DOUBLE ROW .150/3.81 cc	
						.xxxx±.0020/.051		dwg no	
						scale 4:1		sheet 5 of 7 size	
								65002 A3	
								type Product Customer Drawing	
sheet index		revision sheet							

PRODUCT NUMBER	HOUSING MATERIAL	NO. OF POS.	DIM A	DIM B	SPRING THICKNESS	PLATING NOTE 2	SPECIAL MARKINGS AND MISCELLANEOUS	CUSTOMER RESTRICTED	LEAD FREE OPTION	
65002-201	HT NYLON	2X1	.000/0.00	.150/3.81	.0035/0.089	100u"/2.54u TIN/LEAD				NOTE 5,6
-202	HT NYLON	2X2	.150/3.81	.300/7.62	.0035/0.089	100u"/2.54u TIN/LEAD				OBS.
-203		2X3	.300/7.62	.450/11.43						
-204		2X4	.450/11.43	.600/15.24						
-205		2X5	.600/15.24	.750/19.05						
-206		2X6	.750/19.05	.900/22.86						
-207		2X7	.900/22.86	1.050/26.67						
-208		2X8	1.050/26.67	1.200/30.48						
-209		2X9	1.200/30.48	1.350/34.29						
-210		2X10	1.350/34.29	1.500/38.10						
-211		2X11	1.500/38.10	1.650/41.91						
-212		2X12	1.650/41.91	1.800/45.72						
-213		2X13	1.800/45.72	1.950/49.53						
-214		2X14	1.950/49.53	2.100/53.34						
-215		2X15	2.100/53.34	2.250/57.15						
-216		2X16	2.250/57.15	2.400/60.96						
-217		2X17	2.400/60.96	2.550/64.77						
-218		2X18	2.550/64.77	2.700/68.58						
-219		2X19	2.700/68.58	2.850/72.39						
-220		2X20	2.850/72.39	3.000/76.20						
-221		2X21	3.000/76.20	3.150/80.01						
-222		2X22	3.150/80.01	3.300/83.82						
-223		2X23	3.300/83.82	3.450/87.63						
-224		2X24	3.450/87.63	3.600/91.44						
-225		2X25	3.600/91.44	3.750/95.25						
-226		2X26	3.750/95.25	3.900/99.06						
-227		2X27	3.900/99.06	4.050/102.87						
-228		2X28	4.050/102.87	4.200/106.68						
-229		2X29	4.200/106.68	4.350/110.49						
-230		2X30	4.350/110.49	4.500/114.30						
-231		2X31	4.500/114.30	4.650/118.11						
-232		2X32	4.650/118.11	4.800/121.92						
-233		2X33	4.800/121.92	4.950/125.73						
-234		2X34	4.950/125.73	5.100/129.54						
65002-235	HT NYLON	2X35	5.100/129.54	5.250/133.35	.0035/0.089	100u"/2.54u TIN/LEAD				NOTE 5,6



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family CARD CONN.	
ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
AF						.xx±.01/.3		BERGCON HORIZ. CARD CONN	
						.xxx±.005/.13		DOUBLE ROW .150/3.81 cc	
						.xxxx±.0020/.051		scale 4:1	
						dr E.J.HALEY 1/20/86		dwg no sheet 6 of 7 size	
						enr R.HOFFMAN 1/20/86		65002 A3	
						chr H.SUNDY 1/20/86		type Product Customer Drawing	
						appd R.HOFFMAN 1/20/86			
sheet index	revision sheet								

PRODUCT NUMBER	HOUSING MATERIAL	NO. OF POS.	DIM A	DIM B	SPRING THICKNESS	PLATING NOTE 2	SPECIAL MARKINGS AND MISCELLANEOUS	CUSTOMER RESTRICTED	LEAD FREE OPTION
65002-236	HT NYLON	2X36	5.250/133.35	5.400/137.16	.0035/0.089	100u"/2.54u TIN/LEAD			NOTE 5,6
-237		2X37	5.400/137.16	5.550/140.97					
-238		2X38	5.550/140.97	5.700/144.78					
-239		2X39	5.700/144.78	5.850/148.59					
-240		2X40	5.850/148.59	6.000/152.40					
-241		2X41	6.000/152.40	6.150/156.21					
-242		2X42	6.150/156.21	6.300/160.02					
-243		2X43	6.300/160.02	6.450/163.83	.0035/0.089	100u"/2.54u TIN/LEAD			
65002-800	HT NYLON	2X35	5.100/129.54	5.250/133.35	.0030/0.076	40u"/1.02u Au	INSULATION PLUG		NOTE 5,6



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mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family CARD CONN.	
ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
AF						angles	linear	BERGCON HORIZ. CARD CONN	
						0°±2'	.xx±.01/.3 .xxx±.005/.13 .xxxx±.0020/.051	DOUBLE ROW .150/3.81 cc	
						dr	E.J.HALEY	1/20/86	
						enr	R.HOFFMAN	1/20/86	
						chr	H.SUNDY	1/20/86	
						appd	R.HOFFMAN	1/20/86	
sheet index	revision sheet							FCI	
								dwg no sheet 7 of 7 size	
								65002 A3	
								type Product Customer Drawing	

form: A3 1 2 3 4 5 6