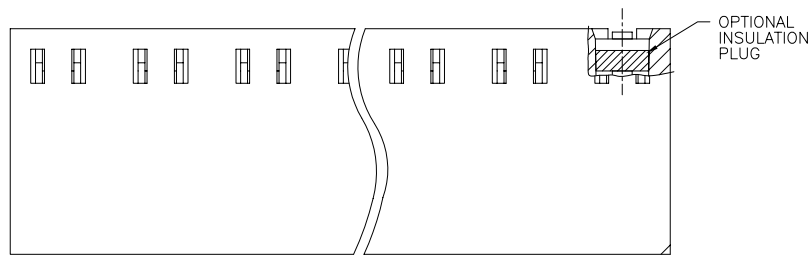




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PRODUCT NO.
SEE TABLEOPTIONAL
INSULATION
PLUG

LENGTH

DIM $\pm .000$ [0.00]
 $\pm .020$ [0.51]DIM A $\pm .010$ [0.25].075 [1.90]
MAX.150 [3.81]
TYP.046 [1.17]
CONTACT
OPENING

.150 [3.81]

.069 [1.76]

PRINTED
CIRCUIT
BOARD.029 [0.74]
REF
TYP90°
REF
TYP



WIDTH

.33 [8.4]

.290 [7.36]

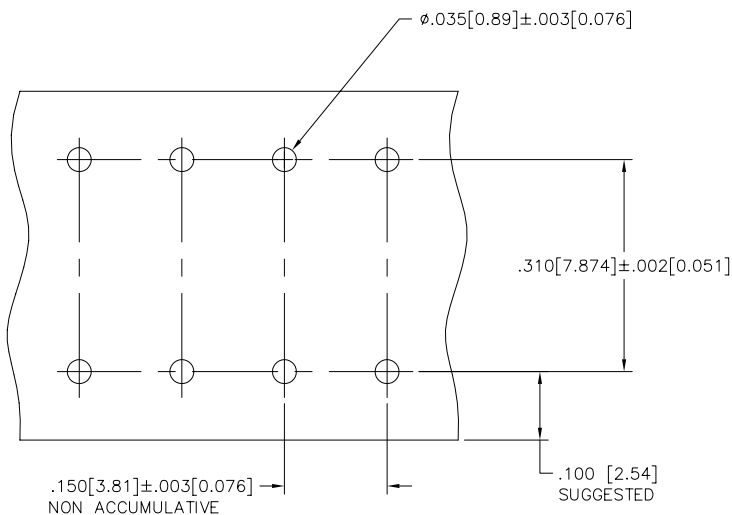
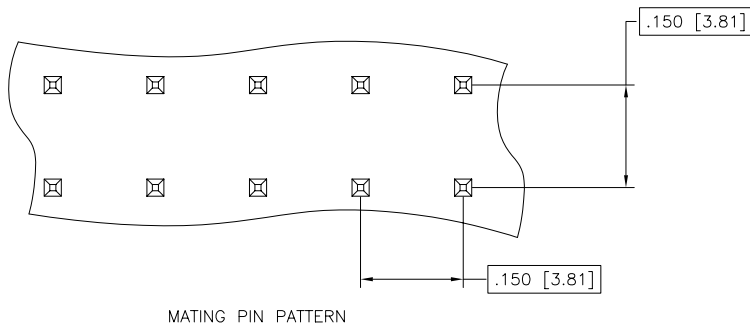
HEIGHT

OPTIONAL
INSULATION
PLUG
(SEE TABLE).115 [2.92] $\pm .025$ [0.64].310 [7.87]
REF
AT BOTTOM OF HOUSING90° $\pm 10^\circ$
TYP

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101			product family CARD CONN.		
ltr	ecn no	dr	date	tolerances unless otherwise specified					title	BERGCON HORIZ. CARD CONN DOUBLE ROW .150/3.81 cc	
Y	V40328	MSC	3/31/94	angles	linear	.XX±.01/.3		INCH/MM			
AA	V41413	MRC	9/30/94			.XXX±.005/.13					
AB	V61617	MDF	10/30/96			.XXXX±.0020/.051					
AC	V70992	JM	10/12/97	dr	E.J.HALEY	1/20/86			dwg no	sheet 1 of 7	size A3
AD	V02523	AZ	10/23/00	engr	R.HOFFMAN	1/20/86					
AE	M05-0181	MHT	9/05/05	chr	H.SUNDY	1/20/86					
AF	M06-0319	MHT	8/21/06	appd	R.HOFFMAN	1/20/86					
sheet	revision	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:
100μ"/2.54μ Sn OVER 50μ"/1.27μ 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±.020/8.89±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.

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



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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

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								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 sheet 3 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											



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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

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								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 sheet 4 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											

form: A3



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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

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		sheet 5 of 7 size	
AF								linear .XX±.01/.3		BERGCON HORIZ. CARD CONN		A3	
								.xxx±.005/.13		DOUBLE ROW .150/3.81 cc			
								.xxxx±.0020/.051		scale 4:1			
								dr E.J.HALEY 1/20/86		FCI			
								enr R.HOFFMAN 1/20/86					
								chr H.SUNDY 1/20/86					
								appd R.HOFFMAN 1/20/86					
sheet index		revision sheet								type Product Customer Drawing			



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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	OBS.
-202	HT NYLON	2X2	.150/3.81	.300/7.62	.0035/0.089	100u"/2.54u TIN/LEAD				
-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	

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			
AF								linear .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		FCI		A3	
								chr H.SUNDY 1/20/86		type		Product Customer Drawing	
								appd R.HOFFMAN 1/20/86					
sheet index		revision sheet											

form: A3



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form: A3

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			NOTE 5,6
65002-800	HT NYLON	2X35	5.100/129.54	5.250/133.35	.0030/0.076	40u"/1.02u Au	INSULATION PLUG		

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
AF					angles linear .XX±.01/.3		BERGCON HORIZ. CARD CONN
					0'±2' .xxx±.005/.13 .xxxx±.0020/.051		DOUBLE ROW .150/3.81 cc
			dr	E.J.HALEY	1/20/86		dwg no
			enr	R.HOFFMAN	1/20/86		sheet 7 of 7 size
			chr	H.SUNDY	1/20/86		65002 A3
			app	R.HOFFMAN	1/20/86		type Product Customer Drawing
sheet index	revision sheet						