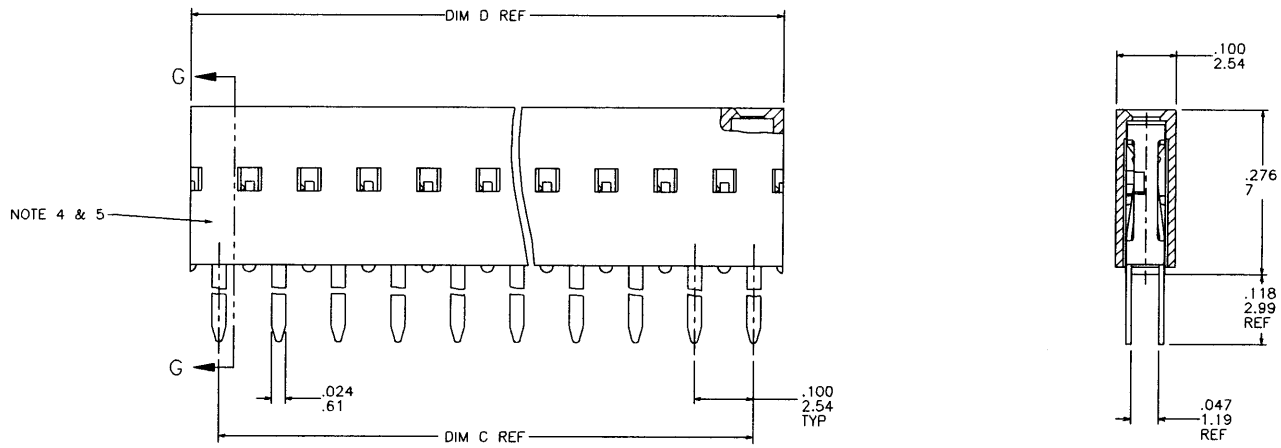


PRODUCT NUMBER  
SEE TABLE



SECTION G-G

REVISIONS				SHEET INDEX	ISSUE			TOLERANCES UNLESS OTHERWISE SPECIFIED			FINISH	DR	DATE	CUSTOMER COPY
REV	ECN/DDR#	BY	DATE		SH NO.	1	2	3	LINEAR	ANGLES				
B	REDRAWN	SR	2/25/91								S.RAMP	2/25/91		
C	V11455	MRC	7/29/91					.000±.005 / .001±.13			M.HAHN	2/25/91		
D	V23301	MRC	10/27/92					.0000±.0020 / .000±.051		DUBOX	M.HAHN	2/25/91		
E	V40364	MSC	3/29/94						σ ± Z		M.HAHN	2/25/91		
F	V50510	MRC	6/23/95								M.HAHN	2/25/91		

**BERG ELECTRONICS**

TITLE: DUBOX SINGLE ROW DOUBLE ENTRY VERTICAL CARD CONNECTOR ASS'Y

SCALE: 10/1 D DWG. NO. 68684 SHEET 1 OF 3

UNIT: INCH MM

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PRODUCT NUMBER	PLATING CONTACT AREA MIN	PLATING SOLDER TAIL	MARKING DATA	SOLDER RESIST LEGS NOTE 7
68684-2XX	15u"/.38u Au OVER 50u"/1.27u Ni	100u"/2.54u TL	NOTE 4	NO
68684-3XX	30u"/.76u Au OVER 50u"/1.27u Ni	100u"/2.54u TL	NOTE 4	YES
68684-4XX	200u"/5.08u SnPb	200u"/5.08u SL	NOTE 4	NO
68684-6XX	30u"/.76u Au OVER 50u"/1.27u Ni	200u"/5.08u TL	NOTE 4	YES
68684-8XX	30u"/.76u Au OVER 50u"/1.27u Ni	200u"/5.08u TL	NOTE 5 MIL	YES

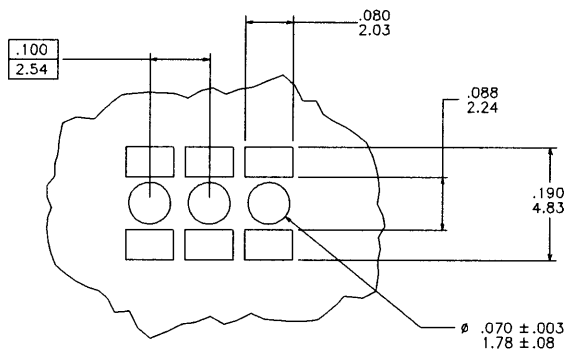


FIGURE A

NOTES:

- ① MATERIAL HOUSING: PPS FILLED, COLOR - BLACK, FLAME RETARDANT PER UL-94V-0. COMPATIBLE WITH WAVE, VAPOR PHASE OR INFRARED SOLDERING.
- 2 MATERIAL TERMINAL: PHOSPHOR BRONZE.
- 3 RECOMMENDED APPLICATION DATA:
  - A. RECOMMENDED HOLE PATTERN IS SHOWN IN FIGURE A.
  - B. ALL MATING PINS TO BE .025/.64 SQUARE ON TRUE CENTER OF GIVEN TERMINAL SPACINGS WITHIN .015/.38 DIA
  - C. SUGGESTED MATING PIN LENGTH .210±.020/5.33±.51
  - D. TERMINALS CAN ONLY BE USED FOR PC BOARD WITH NON PLATED THROUGH HOLES.
  - E. RECOMMENDED PC BOARD THICKNESS: .062/1.58
- ④ PRODUCT DASH NUMBERS WITH FIRST DIGIT BEING 2,3,4 OR 6 TO BE MARKED "BERG", BERG FINAL PART NUMBER, AND DATE. CODE IN CONTRASTING COLORS ON HOUSING. PARTS 1X8 OR LESS SHOULD HAVE THIS INFORMATION ON TUBE LABEL INSTEAD OF THE HOUSING.
- ⑤ PRODUCT DASH NUMBERS WITH FIRST DIGIT BEING 8 TO BE MARKED "BERG", CAGE 22526, DESC WWWW-WW (NO. TO BE ASSIGNED), AND DATE. PARTS 1X8 OR LESS MAY HAVE THIS INFORMATION ON TUBE LABEL INSTEAD OF THE HOUSING.
6. PREPLATED STAMPED TERMINALS.
- ⑦ PASSIVATE NICKEL ON INSIDE OF LEGS TO PREVENT SOLDER FROM CLOSING BOTTOM ENTRY HOLE.

REVISIONS				SHEET INDEX	ISSUE SH NO.	MATERIAL			DATE	CUSTOMER COPY	TITLE
REV	ECN/DDR#	BY	DATE			MAT	DR	S.RAMP			
F									2/25/91		DUBOX SINGLE ROW DOUBLE ENTRY VERTICAL CARD CONNECTOR ASS'Y
				TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH	ENGR	M.HAHN	2/25/91		SCALE SIZE DWG. NO.
				LINEAR	.00±.01 / .0±.3		CHK	M.HAHN	2/25/91		10/11 D 68684
					.000±.005 / .00±.13	PRODUCT FAMILY	APPD	M.HAHN	2/25/91		UNIT INCH MM
					.0000±.0020 / .000±.051	DUBOX					2 OF 2
				ANGLES	0°± 7						FORM E-3067 REV 8/93

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PRODUCT NUMBER	NO. OF POSITION	DIM C	DIM D	DESC PRODUCT NUMBER ON -BXX SERIES ONLY	HOUSING MATERIAL	PRODUCT NO	NO. OF POSITION	DIM C	DIM D	DESC PRODUCT NUMBER ON -BXX SERIES ONLY	HOUSING MATERIAL
68684-Y02	1 X 2	.100/2.54	.217/5.51	WWWWW-02	NOTE 1	68684-Y36	1 X 36	3.500/88.90	3.617/91.87	WWWWW-36	NOTE 1
-Y03	1 X 3	.200/5.08	.317/8.05	WWWWW-03		-Y37	1 X 37	3.600/91.44	3.717/94.41	WWWWW-37	
-Y04	1 X 4	.300/7.62	.417/10.59	WWWWW-04		-Y38	1 X 38	3.700/93.98	3.817/96.95	WWWWW-38	
-Y05	1 X 5	.400/10.16	.517/13.13	WWWWW-05		-Y39	1 X 39	3.800/96.52	3.917/99.49	WWWWW-39	
-Y06	1 X 6	.500/12.70	.617/15.67	WWWWW-06		-Y40	1 X 40	3.900/99.06	4.017/102.03	WWWWW-40	
-Y07	1 X 7	.600/15.24	.717/18.21	WWWWW-07		-Y41	1 X 41	4.000/101.60	4.117/104.57	WWWWW-41	
-Y08	1 X 8	.700/17.78	.817/20.75	WWWWW-08		-Y42	1 X 42	4.100/104.14	4.217/107.11	WWWWW-42	
-Y09	1 X 9	.800/20.32	.917/23.29	WWWWW-09		-Y43	1 X 43	4.200/106.68	4.317/109.65	WWWWW-43	
-Y10	1 X 10	.900/22.86	1.017/25.83	WWWWW-10		-Y44	1 X 44	4.300/109.22	4.417/112.19	WWWWW-44	
-Y11	1 X 11	1.000/25.40	1.117/28.37	WWWWW-11		-Y45	1 X 45	4.400/111.76	4.517/114.73	WWWWW-45	
-Y12	1 X 12	1.100/27.94	1.217/30.91	WWWWW-12		-Y46	1 X 46	4.500/114.30	4.617/117.27	WWWWW-46	
-Y13	1 X 13	1.200/30.48	1.317/33.45	WWWWW-13		-Y47	1 X 47	4.600/116.84	4.717/119.81	WWWWW-47	
-Y14	1 X 14	1.300/33.02	1.417/35.99	WWWWW-14		-Y48	1 X 48	4.700/119.38	4.817/122.35	WWWWW-48	
-Y15	1 X 15	1.400/35.56	1.517/38.53	WWWWW-15		-Y49	1 X 49	4.800/121.92	4.917/124.89	WWWWW-49	
-Y16	1 X 16	1.500/38.10	1.617/41.07	WWWWW-16		68684-Y50	1 X 50	4.900/124.46	5.017/127.43	WWWWW-50	NOTE 1
-Y17	1 X 17	1.600/40.64	1.717/43.61	WWWWW-17							
-Y18	1 X 18	1.700/43.18	1.817/46.15	WWWWW-18							
-Y19	1 X 19	1.800/45.72	1.917/48.69	WWWWW-19							
-Y20	1 X 20	1.900/48.26	2.017/51.23	WWWWW-20							
-Y21	1 X 21	2.000/50.80	2.117/53.77	WWWWW-21							
-Y22	1 X 22	2.100/53.34	2.217/56.31	WWWWW-22							
-Y23	1 X 23	2.200/55.88	2.317/58.85	WWWWW-23							
-Y24	1 X 24	2.300/58.42	2.417/61.39	WWWWW-24							
-Y25	1 X 25	2.400/60.96	2.517/63.93	WWWWW-25							
-Y26	1 X 26	2.500/63.50	2.617/66.47	WWWWW-26							
-Y27	1 X 27	2.600/66.04	2.717/69.01	WWWWW-27							
-Y28	1 X 28	2.700/68.58	2.817/71.55	WWWWW-28							
-Y29	1 X 29	2.800/71.12	2.917/74.09	WWWWW-29							
-Y30	1 X 30	2.900/73.66	3.017/76.63	WWWWW-30							
-Y31	1 X 31	3.000/76.20	3.117/79.17	WWWWW-31							
-Y32	1 X 32	3.100/78.74	3.217/81.71	WWWWW-32							
-Y33	1 X 33	3.200/81.28	3.317/84.25	WWWWW-33							
-Y34	1 X 34	3.300/83.82	3.417/86.79	WWWWW-34							
68684-Y35	1 X 35	3.400/86.36	3.517/89.33	WWWWW-35	NOTE 1						

REVISIONS				SHEET INDEX	ISSUE SH. NO.					CUSTOMER COPY	TITLE	
REV	ECN/DDR#	BY	DATE			MAT	FINISH	DR	DATE			SCALE
E								S.RAMP	2/25/91			3 OF
								ENGR	M.HAHN	2/25/91		
								CHK	M.HAHN	2/25/91		
								APPR	M.HAHN	2/25/91		

TOLERANCES UNLESS OTHERWISE SPECIFIED  
 LINEAR .002 .01 / .02 3  
 .002 .005 / .002 13  
 .0002 .0020 / .0002 051  
 ANGLES 0.2

UNIT INCH MM  
 SCALE 1/1 D  
 DRG. NO. 68684  
 SHEET 3 OF

