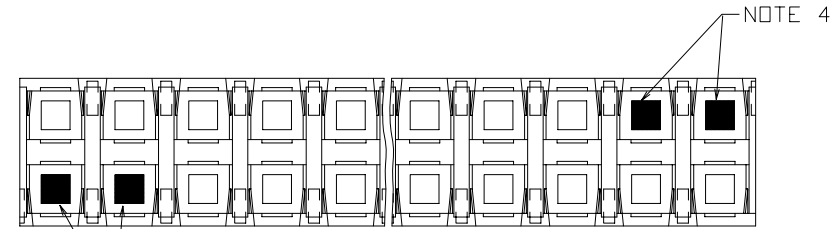
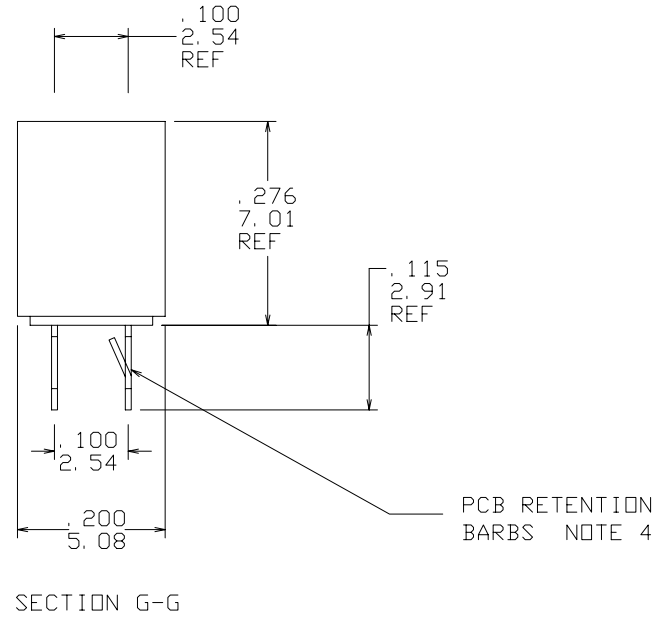
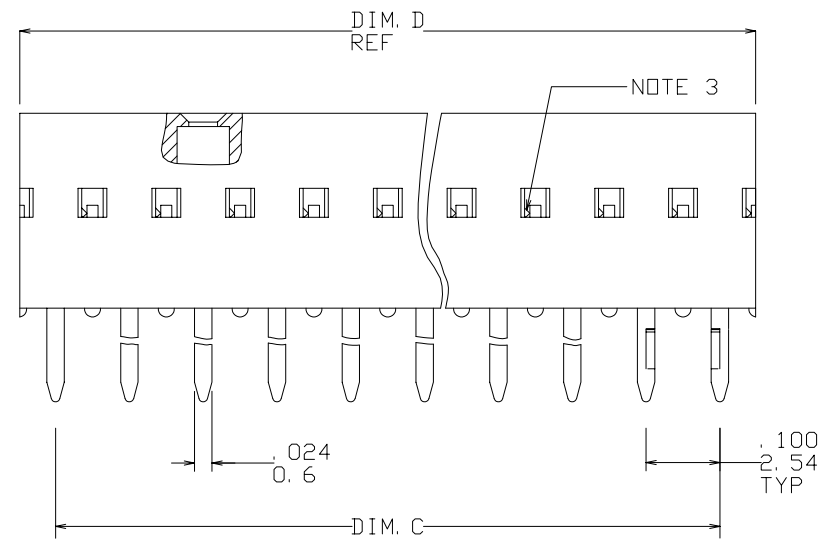


PRODUCT NO.
SEE TABLE

86654-XXX LF
 LEAD FREE OPTION
 PACKAGING OPTIONS OMIT IF NOT REQUIRED.
 NO. OF POSITIONS PER ROW
 PLATING CODE
 BASE PART NUMBER



mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101		⊕		DUBOX	
ltr		date		tolerances unless otherwise specified		INCH/MM		title	
D	V50511	MRC	6/30/95					DUBOX DOUBLE ROW	
E	V70418	RGD	4/21/97	angles	linear			VCC ASS'Y. W/RET. LEGS	
F	V03-0310	HTB	5/6/03	0'±2'		scale 8:1		dwg no 86654 sheet 1 of 5 size A3	
G	V05-0463	DPU	06/29/05	dr	J. SHREINER	12/27/90		type Product Customer Drawing	
H	M06-0237	MN	06/19/06	engr	M. HAHN	12/27/90			
J	M06-0433	AGS	10/31/06	chr	M. HAHN	12/27/90			
K	M07-0203	MHT	5/01/07	appd	M. HAHN	12/27/90			
sheet	revision	K	K	K	K	K	K		
index	sheet	1	2	3	4	5			



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NOTES:

- 1. MATERIAL TERMINAL: PHOSPHOR BRONZE,
- 2. 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. RECOMMENDED PC BOARD THICKNESS, .062/1.58.
- ③ MAT'L HSG.: P.P.S FILLED, COLOR BLACK,FLAME RETARDENT PER UL-94-V0. THIS PART WILL WITHSTAND EXPOSURES TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED REFLOW OR VAPOR PHASE REFLOW SOLDER PROCESS.
- ④ RETENTION BARBS ON TWO TERMINALS PER ROW, OPPOSITE ROWS ON EACH END OF CONNECTOR. (TOTAL 4) ON 2X2,ALL LEGS WILL HAVE BARBS.
- ⑤ PRE-PLATED,POST STAMP TERMINALS.
- 6. "FCI", FCI FINAL PART NUMBER AND DATE CODE TO BE MARKED ON TUBE LABEL.
- ⑦ ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- 8. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- 9."THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVOIRNMENTS".
- ⑩ PLATING OPTIONS: MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

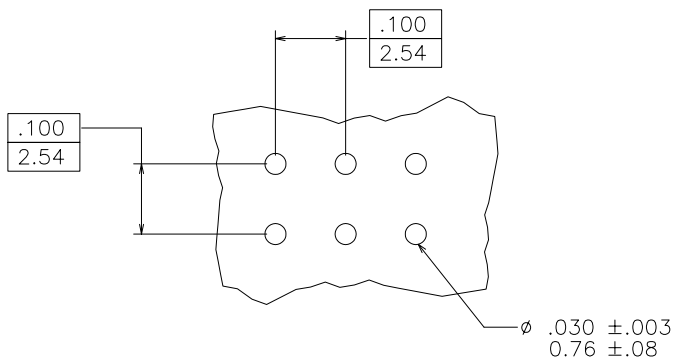


FIGURE A



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mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101		⊕		DUBOX	
ltr		ecn no dr		date		tolerances unless otherwise specified		title	
K						.xx ±.01/.3 .xxx ±.005/.13 .xxxx ±.0020/.051		DUBOX DOUBLE ROW VCC ASS'Y. W/RET. LEGS	
						INCH/MM		scale 8:1	
						angles		dwg no	
						0°±2'		sheet 2 of 5 size	
				dr		J. SHREINER 12/27/90		86654	
				enfr		M. HAHN 12/27/90		A3	
				chr		M. HAHN 12/27/90		type	
				appd		M. HAHN 12/27/90		Product Customer Drawing	
sheet index		revision sheet							

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PRODUCT NO NOTE 7	PLATING CONTACT AREA	PLATING SOLDER TAIL	MATERIAL DATA	
86654-2XX	15u"/.38 Au MIN OVER 50u"/1.27u Ni MIN	100u"/160u" ^{SN} 2.54u/4.06u	----	SEE NOTE 10
86654-3XX	30u"/.76 Au MIN OVER 50u"/1.27u Ni MIN	100u"/160u" ^{SN} 2.54u/4.06u	----	SEE NOTE 10
86654-4XX	100u"/160u" ^{SN} 2.54u/4.06u	100u"/160u" ^{SN} 2.54u/4.06u	----	
86654-6XX	30u"/.76 Au MIN OVER 50u"/1.27u Ni MIN	100u"/160u" ^{SN} 2.54u/4.06u	NOTE 5	SEE NOTE 10



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mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101				DUBOX	
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
K				angles	linear	.xx ±.01/.3 .xxx ±.005/.13 .xxxx ±.0020/.051		DUBOX DOUBLE ROW VCC ASS'Y. W/RET. LEGS	
				0°±2'		scale 8:1		dwg no	
		dr	J. SHREINER	12/27/90				sheet 3 of 5 size	
		enr	M. HAHN	12/27/90				86654 A3	
		chr	M. HAHN	12/27/90				type	
		app	M. HAHN	12/27/90				Product Customer Drawing	
sheet	revision								
index	sheet								

form: A3

PRODUCT NUMBER	NO. OF POSITION	C DIM	D DIM	LF OPTION
86654-Y02	2 X 2	.100/2.54	.217/5.51	NOTE 7
-Y03	2 X 3	.200/5.08	.317/8.05	
-Y04	2 X 4	.300/7.62	.417/10.59	
-Y05	2 X 5	.400/10.16	.517/13.13	
-Y06	2 X 6	.500/12.70	.617/15.67	
-Y07	2 X 7	.600/15.24	.717/18.21	
-Y08	2 X 8	.700/17.78	.817/20.75	
-Y09	2 X 9	.800/20.32	.917/23.29	
-Y10	2 X 10	.900/22.86	1.017/25.83	
-Y11	2 X 11	1.000/25.40	1.117/28.37	
-Y12	2 X 12	1.100/27.94	1.217/30.91	
-Y13	2 X 13	1.200/30.48	1.317/33.45	
-Y14	2 X 14	1.300/33.02	1.417/35.99	
-Y15	2 X 15	1.400/35.56	1.517/38.53	
-Y16	2 X 16	1.500/38.10	1.617/41.07	
-Y17	2 X 17	1.600/40.64	1.717/43.61	
-Y18	2 X 18	1.700/43.18	1.817/46.15	
-Y19	2 X 19	1.800/45.72	1.917/48.69	
-Y20	2 X 20	1.900/48.26	2.017/51.23	
-Y21	2 X 21	2.000/50.80	2.117/53.77	
-Y22	2 X 22	2.100/53.34	2.217/56.31	
-Y23	2 X 23	2.200/55.88	2.317/58.85	
-Y24	2 X 24	2.300/58.42	2.417/61.39	
86654-Y25	2 X 25	2.400/60.96	2.517/63.93	





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mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302		ISO 406				DUBOX	
ltr		ecn no		date		tolerances unless otherwise specified		title	
K						.xx ±.01/.3 .xxx ±.005/.13 .xxxx ±.0020/.051		DUBOX DOUBLE ROW VCC ASS'Y. W/RET. LEGS	
				0°±2'		linear		INCH/MM	
						scale 8:1		dwg no	
				dr J. SHREINER 12/27/90				sheet 4 of 5 size	
				enfr M. HAHN 12/27/90				86654 A3	
				chr M. HAHN 12/27/90				type Product Customer Drawing	
				appd M. HAHN 12/27/90					
sheet index		revision sheet							

PRODUCT NUMBER	NO. OF POSITION	C DIM	D DIM	LF OPTION
86654-Y26	2 X 26	2.500/63.50	2.617/66.47	NOTE 7
-Y27	2 X 27	2.600/66.04	2.717/69.01	
-Y28	2 X 28	2.700/68.58	2.817/71.55	
-Y29	2 X 29	2.800/71.12	2.917/74.09	
-Y30	2 X 30	2.900/73.66	3.017/76.63	
-Y31	2 X 31	3.000/76.20	3.117/79.17	
-Y32	2 X 32	3.100/78.74	3.217/81.71	
-Y33	2 X 33	3.200/81.28	3.317/84.25	
-Y34	2 X 34	3.300/83.82	3.417/86.79	
-Y35	2 X 35	3.400/86.36	3.517/89.33	
-Y36	2 X 36	3.500/88.90	3.617/91.87	
-Y37	2 X 37	3.600/91.44	3.717/94.41	
-Y38	2 X 38	3.700/93.98	3.817/96.95	
-Y39	2 X 39	3.800/96.52	3.917/99.49	
-Y40	2 X 40	3.900/99.06	4.017/102.03	
-Y41	2 X 41	4.000/101.60	4.117/104.57	
-Y42	2 X 42	4.100/104.14	4.217/107.11	
-Y43	2 X 43	4.200/106.68	4.317/109.65	
-Y44	2 X 44	4.300/109.22	4.417/112.19	
-Y45	2 X 45	4.400/111.76	4.517/114.73	
-Y46	2 X 46	4.500/114.30	4.617/117.27	
-Y47	2 X 47	4.600/116.84	4.717/119.81	
-Y48	2 X 48	4.700/119.38	4.817/122.35	
-Y49	2 X 49	4.800/121.92	4.917/124.89	
86654-Y50	2 X 50	4.900/124.46	5.017/127.43	

NOTE 7

mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302		ISO 406				DUBOX	
				ISO 1101				title	
ltr		ecn no		dr		date		tolerances unless otherwise specified	
K								.XX ±.01/.3 .XXX ±.005/.13 .XXXX ±.0020/.051	
								INCH/MM	
								scale 8:1	
									
sheet		revision						title DUBOX DOUBLE ROW VCC ASS'Y. W/RET. LEGS	
index		sheet						dwg no 86654	
								sheet 5 of 5 size A3	
								type Product Customer Drawing	



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