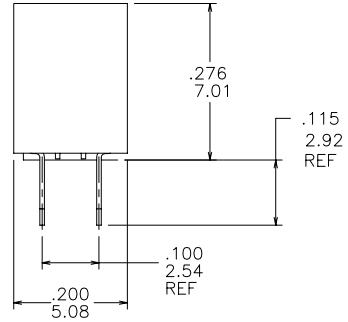
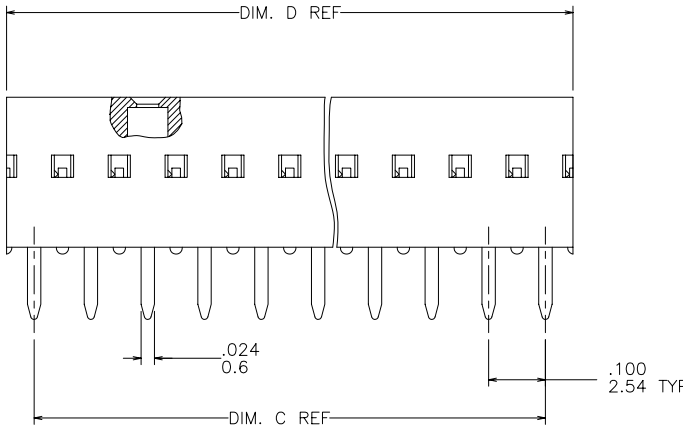
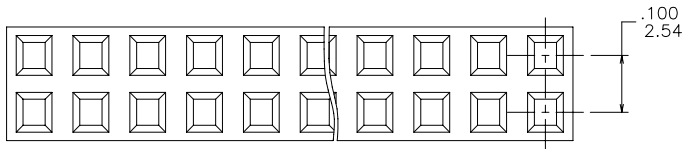


PRODUCT NO.
SEE TABLE

68683 - 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 1302	ISO 406	INCH/MM	DUBOX		
ISO 1101			ISO 1101	ISO 1101				
ltr	ecp	no	dr	date	angles	linear	tolerances unless otherwise specified	title
K	V10122	GIP		01/08/02	0°±2°	linear	.xxx ±.01/.3	DUBOX DBL. ROW VERT. CARD CONNECTOR ASS'Y.
L	V11677	GIP		01/22/02		linear	.xxx ±.005/.13	
M	v03-0309	HTB		04/29/03		linear	xxxx ±.0020/.051	scale 4:1
N	v05-0463	DPU		06/28/05	dr	J. SHREINER	02/05/91	FCJ
P	M06-0237	MN		06/19/06	enrg	M. HAHN	02/05/91	68683
R	M06-0433	AGS		10/31/06	chr	M. HAHN	02/05/91	sheet 1 of 4 size A3
S	M07-0203	MHT		5/01/07	appd	M. HAHN	02/05/91	type Product Customer Drawing
sheet	revision	S	S	S	S			
index	sheet	1	2	3	4			

PRODUCT NO NOTE 8	PLATING CONTACT AREA	PLATING SOLDER TAIL	
68683-2XX	15u"/.38u Au MIN OVER 50u"/1.27u Ni MIN	100u"/160u" ^{SN} 2.54u"/4.06u"	SEE NOTE 11
68683-3XX	30u"/.76u Au MIN OVER 50u"/1.27u Ni MIN	100u"/160u" ^{SN} 2.54u"/4.06u"	SEE NOTE 11
68683-4XX	100u"/160u" ^{SN} 2.54u"/4.06u"	100u"/160u" ^{SN} 2.54u"/4.06u"	
68683-6XX	30u"/.76u Au MIN OVER 50u"/1.27u Ni MIN	100u"/160u" ^{SN} 2.54u"/4.06u"	SEE NOTE 11
68683-8XX	30u"/.76u Au MIN OVER 50u"/1.27u Ni MIN	100u"/160u" ^{SN} 2.54u"/4.06u"	OBSOLETE

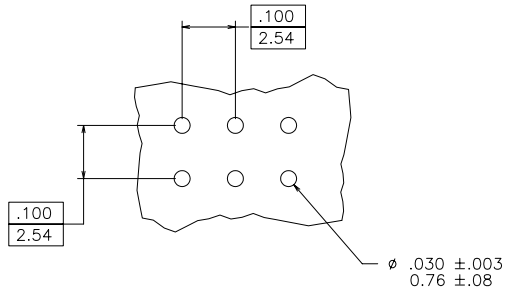


FIGURE A

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 MATERIAL HOUSING P.P.S. FILLED, COLOR BLACK, FLAME RETARDANT PER UL 94V-0
THIS PART WILL WITHSTAND EXPOSURES TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
- 4 FCI, FCI FINAL PART NUMBER AND DATE CODE TO BE MARKED ON TUBE LABEL.
5. PREPLATED, STAMPED TERMINALS.
6. PART NUMBER WITH SUFFIX "U" IS FOR SAWING PURPOSES ONLY.
- ⑦ STANDARD TUBE PACKAGE PER BUS-14-097/3.
- ⑧ ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
9. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- ⑩ "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENT".
- ⑪. PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

mat'l. code		surface	tolerance	projection	product family
-		ISO 1302	ISO 406	⊕	DUBOX
ltr	ecn no	dr	date	title	
S				DUBOX DBL. ROW VERT. CARD CONNECTOR ASS'Y.	
		angles	linear	INCH/MM	scale 4:1
		0°±2'	.xxx ±.01/.3		
		dr	J. SHREINER	02/05/91	
		enrg	M. HAHN	02/05/91	
		chr	M. HAHN	02/05/91	
		appd	M. HAHN	02/05/91	
sheet	revision				
index	sheet				

PRODUCT NUMBER	NO. OF POSITION	C DIM	D DIM	LF OPTION
68683-Y02	2 X 2	.100/2.54	.217/5.51	NOTE 8
-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	
68683-Y25	2 X 25	2.400/60.96	2.517/63.93	

mat'l. code	surface	tolerance	projection	product family
-	ISO 1302	ISO 406		DUBOX
ISO 1101	tolerances unless otherwise specified	.XX ±01/3	INCH/MM	title
angles	linear	.XXX ±.005/13	scale 4:1	DUBOX DBL. ROW VERT. CARD CONNECTOR ASS'Y.
0°±2'	dr J. SHREINER	XXXX ±.0020/.051		dwg no 68683 sheet 3 of 4 size A3
enrg M. HAHN	chr M. HAHN	02/05/91		type Product Customer Drawing
appd M. HAHN		02/05/91		
sheet index	revision sheet			

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PRODUCT NUMBER	NO. OF POSITION	C DIM	D DIM	LF OPTION
68683-Y26	2 X 26	2.500/63.50	2.617/66.47	NOTE 8
-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	
68683-Y50	2 X 50	4.900/124.46	5.017/127.43	
68683-Y50U	2 X 50	4.900/124.46	5.017/127.43	

SEE NOTE 6

mat'l. code	surface	tolerance	projection	product family
-	ISO 1302	ISO 406		DUBOX
ISO 1101	tolerances unless otherwise specified	.XX ±0.1/3	INCH/MM	title
ltr	angles	.XXX ±.005/13	scale 4:1	DUBOX DBL. ROW VERT. CARD CONNECTOR ASS'Y.
ecn	linear	.XXXX ±.0020/.051		dwg no 68683 sheet 4 of 4 size A3
no	dr	J. SHREINER 02/05/91		type Product Customer Drawing
dr	enrg	M. HAHN 02/05/91		
date	chr	M. HAHN 02/05/91		
	appd	M. HAHN 02/05/91		
sheet index	revision sheet			

PDM: Rev:S STATUS:Released Printed: Dec 12, 2008