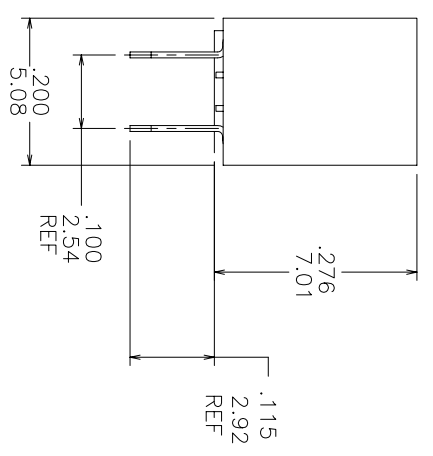
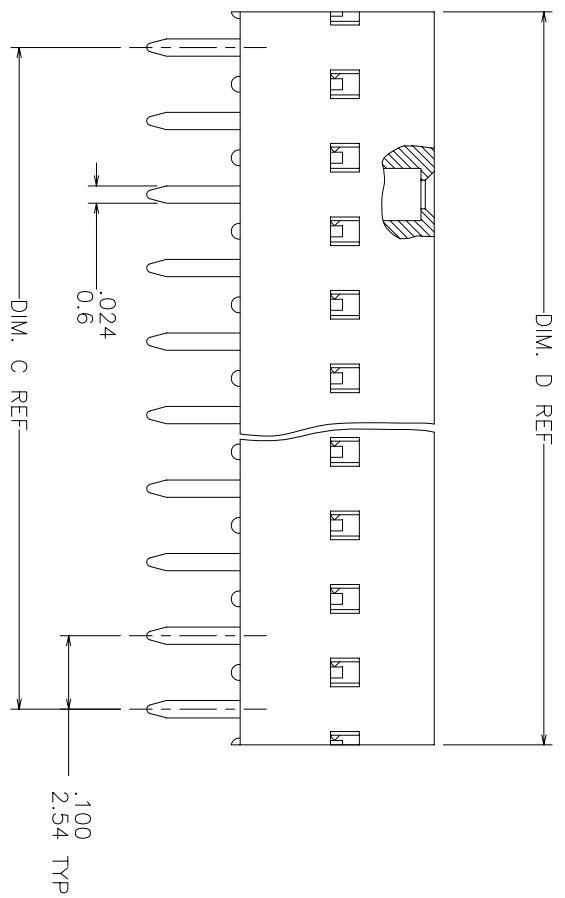
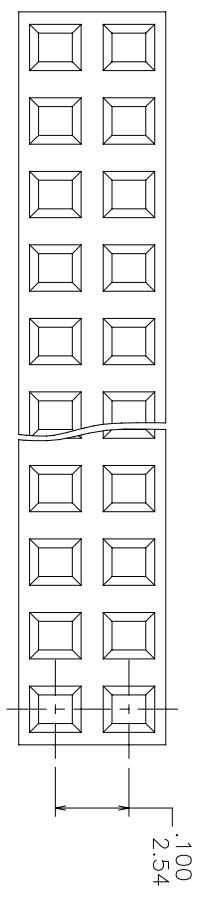


PRODUCT NO.
SEE TABLE

68683 - XXX - LF
LEAD FREE OPTION
PACKAGING OPTIONS .OMIT IF NOT REQUIRED.
NO. OF POSITIONS PER ROW
PLATING CODE
BASE PART NUMBER



1 2 3 4 5 6

mat'l. code		surface		tolerance		projection		product family	
ISO 1302		ISO 406		ISO 1101		INCH/MM		DUBOX	
lit	ecn	no	dr	date	tolerance unless otherwise specified	inches	mm	scale	4:1
K	V10122	GIP	01/08/02	01/08/02	xxx ±.01/.3				
L	V11677	GIP	01/22/02	01/22/02	xxx ±.005/.13				
M	V03-0309	HTB	04/29/03	04/29/03	xxxx ±.0020/.051				
N	V05-0463	DPJ	06/28/05	06/28/05	J. SHREINER				
P	M06-0237	MIN	06/19/06	06/19/06	M. HAHN				
R	M06-0433	ACS	10/31/06	10/31/06	M. HAHN				
S	M07-0203	MHI	5/07/07	05/07/07	M. HAHN				
sheet	revision	S	S	S	S				
index	sheet	1	2	3	4				

PDM: Rev:5 STATUS: Released Printed: Dec 01, 2010

PRODUCT NO NOTE 8	PLATING CONTACT AREA	PLATING SOLDER TAIL
66683-2XX	15u" / .38u Au MIN OVER 50u" / 1.27u Ni MIN	100u" / 160u" Sn 2.54u / 4.06u
66683-3XX	30u" / .76u Au MIN OVER 50u" / 1.27u Ni MIN	100u" / 160u" Sn 2.54u / 4.06u
66683-4XX	100u" / 160u" Sn 2.54u / 4.06u	100u" / 160u" Sn 2.54u / 4.06u
66683-6XX	30u" / .76u Au MIN OVER 50u" / 1.27u Ni MIN	100u" / 160u" Sn 2.54u / 4.06u
66683-8XX	30u" / .76u Au MIN OVER 50u" / 1.27u Ni MIN	100u" / 160u" Sn 2.54u / 4.06u

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 RETARDENT 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'S".
11. PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

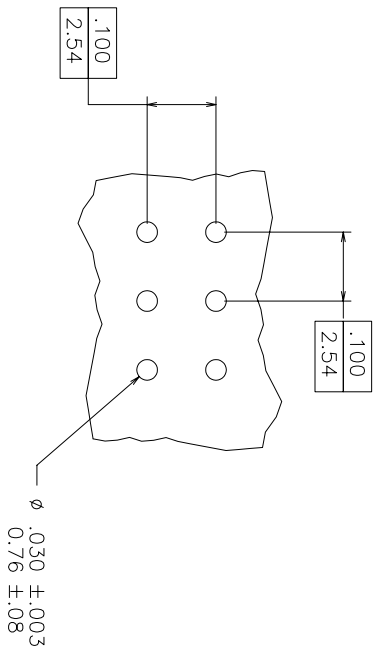


FIGURE A

mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1101	DUBOX
lit ean no/dr	date	tolerance unless otherwise specified		title
S		angles	INCH/MM	DUBOX DBL. ROW VERT. CARD CONNECTOR ASS'Y.
		in/eoT	scale 4:1	dwg no
	0° ± 2°	xxx ±.005/13		68683
	dr	xxxx ±.0020/.051		sheet 2 of 4 size
	enr			A3
	chr			
	pppd			
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
itr ecn no/dr	tolerances unless otherwise specified			
S	angles	xxxx #.005/.13	INCH/MM	title
	in/eq	xxxx #.002/.051	scale 4:1	DUBOX DBL. ROW VERT.
	dr	J. SHREINER 02/05/91		CARD CONNECTOR ASS'Y.
	engr	M. HAHN 02/05/91		dwg no
	chr	M. HAHN 02/05/91		68683
	opppd	M. HAHN 02/05/91		Sheet 3 of 4 size
sheet	revision			A3
index	sheet			Product Customer Drawing

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	ISO 1101	1st angle	DUBOX
ISO 1101	tolerances unless otherwise specified	XXX ±0.1/3	INCH/MM	DUBOX DBL. ROW VERT.
ISO 1101	0 ±.2"	XXX ±.005/13	scale 4:1	CARD CONNECTOR ASS'Y.
ISO 1101	angles	XXXX ±.0020/.051		dwg no 68683
ISO 1101	linecd			Sheet 4 of 4 size A3
ISO 1101	dr	J. SHREINER 02/05/91		Product Customer Drawing
ISO 1101	enrg	M. HAHN 02/05/91		
ISO 1101	chr	M. HAHN 02/05/91		
ISO 1101	pppd	M. HAHN 02/05/91		
ISO 1101	sheet			
ISO 1101	revision			
ISO 1101	index			

