



RECOMMENDED P.C.B. LAYOUT

NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS ARE IN MILLIMETER, PER ASME Y14.5M-2009.
2. ELECTRICAL CHARACTERISTICS:
 - 2-1 VOLTAGE RATING: 125 VAC MAX.
 - 2-2 CURRENT RATING: 1.0 A MAX. PER PIN, 30°C RISE ABOVE AMBIENT.
 - 2-3 CONTACT RESISTANCE: 20 MILLIOHMS MAX. FOR INITIAL, 40 MILLIOHMS MAX. AFTER TEST.
 - 2-4 DIELECTRIC WITHSTANDING VOLTAGE: 500V AC R.M.S..
 - 2-5 INSULATION RESISTANCE: 1000 MEGOHMS MIN..
3. OTHER CHARACTERISTICS:
 - 3-1 THE PRODUCT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A PCB.
 - 3-2 PRODUCT SPEC: GS-12-629.
 - 3-3 PACKAGE SPEC: GS-14-1420.
 - 3-4 MATE WITH: 20021444.

20021512 - 0 0 0 XX X X L F

- LEAD FREE
- PLATING:
 - 1: GOLD FLASH ALL OVER
 - 3: 0.25GXT AT CONTACT
 - 4: 0.25μm GOLD AT CONTACT
 - 8: 0.76μm GOLD AT CONTACT
 - 9: 0.76GXT AT CONTACT
- PACKING: T: TUBE
- PIN COUNT: SEE TABLE 1

2	CONTACT	COPPER ALLOY	1μm MIN. NICKEL PLATING OVERALL UNDERPLATED GOLD FLASH OVER 1μm MIN. NICKEL OVER ALL GOLD OR GXT PLATING ON CONTACT AREA
1	HOUSING	THERMOPLASTIC UL 94V-0	MOLDED BLACK
ITEM	DESCRIPTION	MATERIAL	TREATMENT
mat'l. code		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101
ltr ecn no dr		date	projection
A	T09-1117	S.LIN 09/15/09	0.X±0.38
B	T10-0023	S.LIN 01/21/10	0.XX±0.25
C	T10-0110	S.LIN 07/13/10	0.XXX±0.10
D		ELX-N-010363 ZK.HU 01/16/12	dr GRACE LIU 04/08/26
E		ELX-N-291051 GRACE LIU 04/08/26	enr GRACE LIU 04/08/26
			chr LEI LQ 04/08/26
			appd TIM YAO 04/08/26
sheet index	revision sheet	E 1	

TABLE 1: DIM INFORMATION

DASH NO.	DIM.	AMOUNT OF PINS	DIM.A	DIM.B
-000 06 XX LF	06	06	2.54	10.11
-000 08 XX LF	08	08	3.81	11.38
-000 10 XX LF	10	10	5.08	12.65
-000 12 XX LF	12	12	6.35	13.92
-000 14 XX LF	14	14	7.62	15.19
-000 16 XX LF	16	16	8.89	16.46
-000 20 XX LF	20	20	11.43	19.00
-000 26 XX LF	26	26	15.24	22.81
-000 30 XX LF	30	30	17.78	25.35

DASH NO.	DIM.	AMOUNT OF PINS	DIM.A	DIM.B
-000 34 XX LF	34	34	20.32	27.89
-000 40 XX LF	40	40	24.13	31.70
-000 44 XX LF	44	44	26.67	34.24
-000 50 XX LF	50	50	30.48	38.05
-000 60 XX LF	60	60	36.83	44.40
-000 64 XX LF	64	64	39.37	46.94
-000 68 XX LF	68	68	41.91	49.48
-000 80 XX LF	80	80	49.53	57.10
-000 A0 XX LF	100	100	62.23	69.90

Amphenol FCI

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mat'l. code				surface ISO 1302 <input checked="" type="checkbox"/>	tolerance ISO 406 ISO 1101	projection 	product family HPL 585
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm scale 8:1	title MINITEK 1.27
A	T09-1117	S.LIN	09/15/09	angles	linear		
B	T10-0023	S.LIN	01/21/10	0.X±0.38	0.XX±0.25		
C	T10-0110	S.LIN	07/13/10	0'±2'	0.XXX±0.10	dwg no sheet 2 of 2 size	
D	ELX-N-010363	ZK.HU	01/16/12	dr	GRACE LIU	04/08/26	Amphenol FCI
E	ELX-N-291051	GRACE LIU	04/08/26	enrg	GRACE LIU	04/08/26	
				chr	LEI LQ	04/08/26	
				appd	TIM YAO	04/08/26	type Product Customer Drawing
sheet index	revision sheet	E	2				