

Rev	Description	Date	By
J	UPDATED DRAWING (REF ERN 99022)	07/14/99	VAR
K	ADDED NEW P/N (REF ESR 99016)	07/15/99	VAR

NOTES: UNLESS OTHERWISE SPECIFIED

- 1 INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994
- 2 THIS PRODUCT CONFORMS TO ALL APPLICABLE PC\104 CONNECTOR SPECIFICATIONS.
- 3 FOR OTHER SIZES, FINISHES OR ADDITIONAL DATA CONTACT TEKA'S CUSTOMER SERVICE DEPARTMENT.

MATERIALS:

HOUSING: HIGH TEMPERATURE THERMOPLASTIC,
UL RATED 94-V0

CONTACT: PHOSPHOR BRONZE ALLOY

SOLDER: TIN-LEAD (63-37)

SOLDER CLIP: ALUMINUM ALLOY

CONTACT FINISH:

FEMALE INTERFACE: (SEE TABLE II)

MALE INTERFACE: (SEE TABLE II)

SOLDER TAIL: (SEE TABLE II)

UNDERPLATE: 50 MICROINCHES MINIMUM NICKEL

PERFORMANCE CHARACTERISTICS – MECHANICAL

INSERTION FORCE: 2.5 OZ PER CONTACT MAX AVG

WITHDRAWAL FORCE: 1 OZ MIN AVG

NORMAL FORCE: 50 GRAMS MIN (PER BEAM) EOL

DURABILITY: 25 CYCLES MINIMUM

OPERATING TEMP: -55°C – 85°C

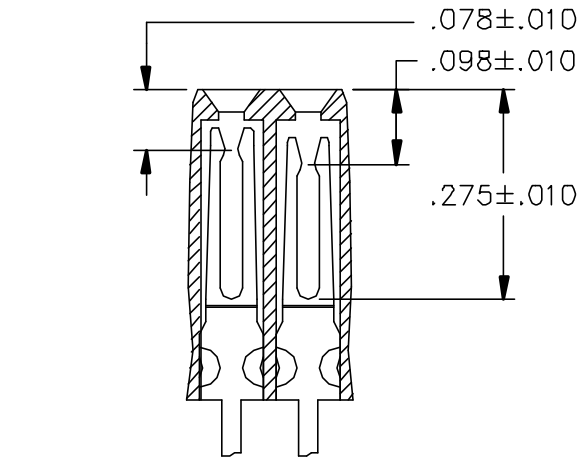
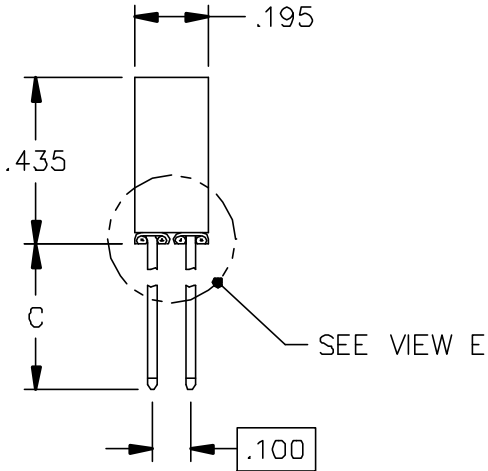
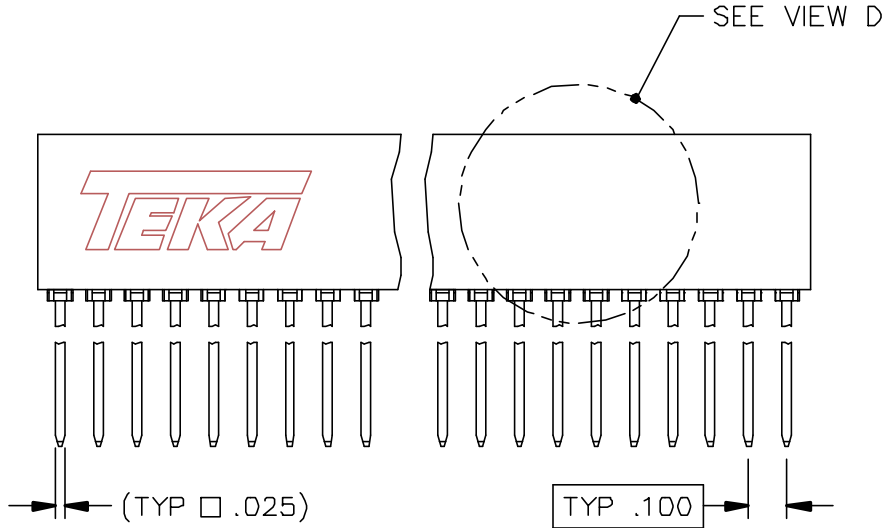
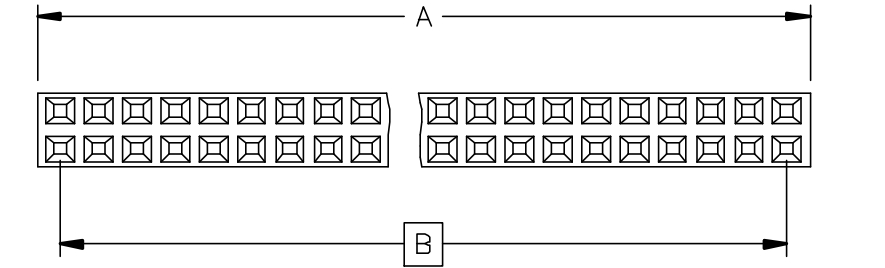
PERFORMANCE CHARATERISTICS – ELECTRICAL

CONTACT RESISTANCE: 20 MILLIOHMS MAX INITIAL W/
30 MILLIOHMS MAX AFTER TEST

CURRENT CAPACITY: 3 AMPS MAX PER CONTACT

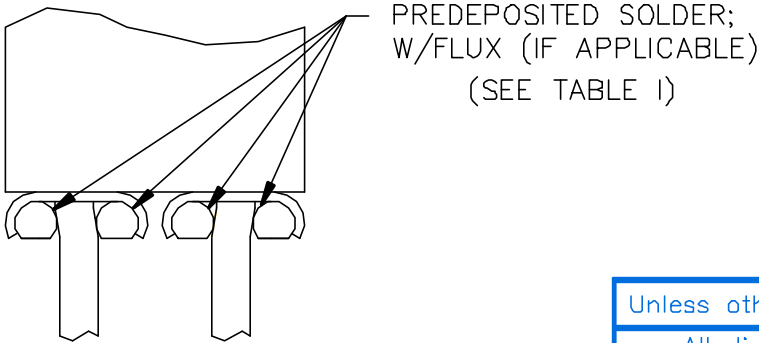
DIELECTRIC STRENGTH: 1000 VAC

INSULATION RESISTANCE: 10,000 MEGAOHMS MIN



VIEW D – SCALE=4:1

LOW INSERTION FORCES ARE ACHIEVED THROUGH A STEPPED INSERTION

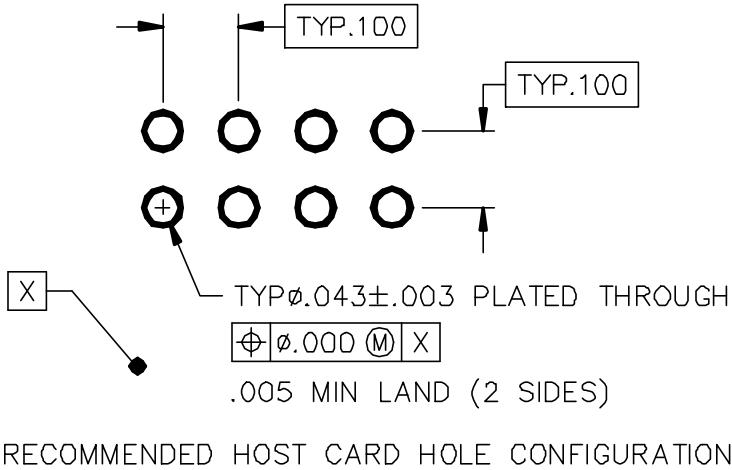


VIEW E – SCALE=8:1

Unless otherwise specified:	Drawn by:	Date:	 AN INTERPLEX INDUSTRIES CO. HTTP://WWW.TEKAIS.COM		100 PIONEER AVE WARWICK, R.I. 02888 TEL: (401) 785-4110 FAX: (401) 781-5730 E-MAIL: sales@tekais.com
All dimensions are: Inches [mm]	J CACHINA	02/04/98			
—Tolerances—	Checked by: JSC	Date: 02/04/98			
No of places IN [mm] one ±.1 ±2,54 two ±.02 ±0,5 three ±.005 ±0,13	Title: SOLDER BEARING PC\104 CONNECTOR		Part No: PC2__-A-1__-		
Angular ±1°		Ref No: S98024	Scale: 2:1	Sheet 1 of 2	

Rev	Description	Date	By
K	ALL REVISIONS - SEE SHEET 1	---	---

TABLE I – PC\104 PRODUCT DESCRIPTION							TABLE II – PC\104 FINISH DESCRIPTION (MICROINCHES)		
PART NUMBER	DESIGNATION	POSITIONS (2X)	A±.010	B	C±.010	PREDEPOSITED TIN–LEAD SOLDER; W/FLUX (IF APPLICABLE)	FEMALE INTERFACE GOLD	MALE INTERFACE GOLD	SOLDER TAIL TIN–LEAD
PC232–A–1A7–U	J1/P1	32	3.220	3.100	.480	63–37	20 MINIMUM	FLASH	NOT APPLICABLE
PC232–A–1A7–D						63–37 W/NO–CLEAN FLUX	30 MINIMUM	30 MINIMUM	
PC232–A–1A9–D						63–37	20 MINIMUM	FLASH	
PC220–A–1A7–U	J2/P2	20	2.020	1.900		63–37	30 MINIMUM	30 MINIMUM	
PC220–A–1A7–D						63–37 W/NO–CLEAN FLUX	20 MINIMUM	FLASH	
PC220–A–1A9–D						63–37	30 MINIMUM	30 MINIMUM	
PC232–A–1B5–U	J1	32	3.220	3.100	.090	63–37	20 MINIMUM	NOT APPLICABLE	100 MIN
PC232–A–1B5–D						63–37 W/NO–CLEAN FLUX			
PC220–A–1B5–U	J2	20	2.020	1.900		63–37			
PC220–A–1B5–D						63–37 W/NO–CLEAN FLUX			
PC232–A–1B6–U	J1	32	3.220	3.100		63–37	30 MINIMUM		
PC232–A–1B6–D						63–37 W/NO–CLEAN FLUX			
PC220–A–1B6–U	J2	20	2.020	1.900		63–37			
PC220–A–1B6–D						63–37 W/NO–CLEAN FLUX			
PC232–A–1B9–U	J1	32	3.220	3.100		63–37	30 MINIMUM	30 MINIMUM	NOT APPLICABLE
PC232–A–1B9–D						63–37 W/NO–CLEAN FLUX			
PC220–A–1B9–U	J2	20	2.020	1.900		63–37			
PC220–A–1B9–D						63–37 W/NO–CLEAN FLUX			



Unless otherwise specified:	Drawn by: J CACHINA	Date: 02/04/98	 AN INTERPLEX INDUSTRIES CO. 100 PIONEER AVE WARWICK, R.I. 02888 TEL: (401) 785-4110 FAX: (401) 781-5730 E-MAIL: sales@teka.com	
All dimensions are: Inches [mm]	Checked by: JSC	Date: 02/04/98		
-Tolerances-	Title: SOLDER BEARING PC\104 CONNECTOR		Part No: PC2__-A-1__-__	
No of places IN [mm] one ±.1 ±2,54 two ±.02 ±0,5 three ±.005 ±0,13	Ref No: S98024		Scale: 1:1	Sheet 2 of 2
Angular ±1°				