

CONTACT POSITION 1

Rev	Description	Date	By
J	ADDED PCB VARIATION TABLE (PER ESR 2004)	03/09/04	VAR

**MATERIALS:**

HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL RATED 94-V0  
 CONTACTS: PHOSPHOR BRONZE ALLOY  
 SOLDER: SEE TABLE II

**CONTACT FINISH:**

SIGNAL INTERFACE: 30 MICROINCHES MIN GOLD  
 GROUND INTERFACE: 150 MICROINCHES MIN TIN-LEAD ALLOY  
 SOLDER TAILS: 150 MICROINCHES MIN TIN-LEAD ALLOY  
 UNDERPLATE: 50 MICROINCHES MIN NICKEL

**PERFORMANCE CHARACTERISTICS - MECHANICAL**


DURABILITY: 500 CYCLES MINIMUM  
 OPERATING TEMP: -55°C TO +105°C

**PERFORMANCE CHARACTERISTICS - ELECTRICAL**

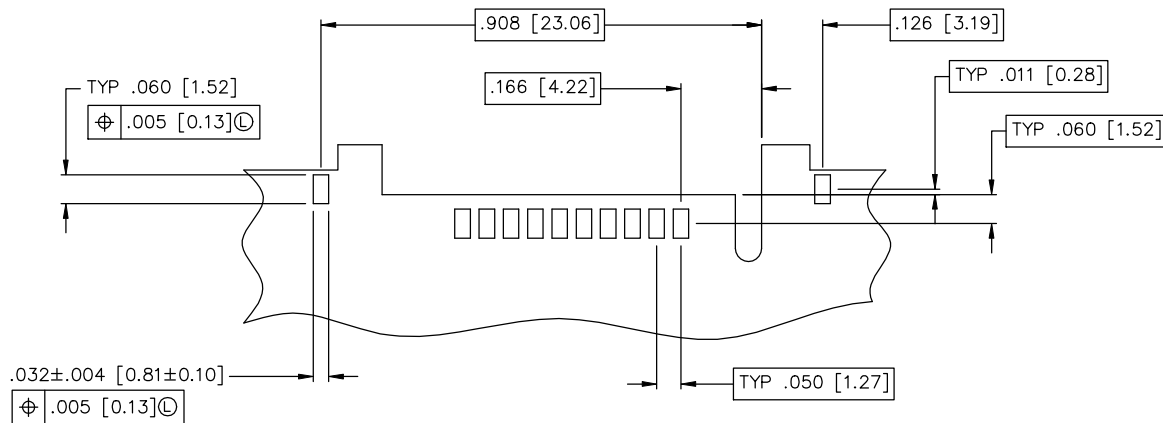
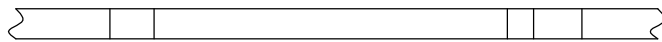
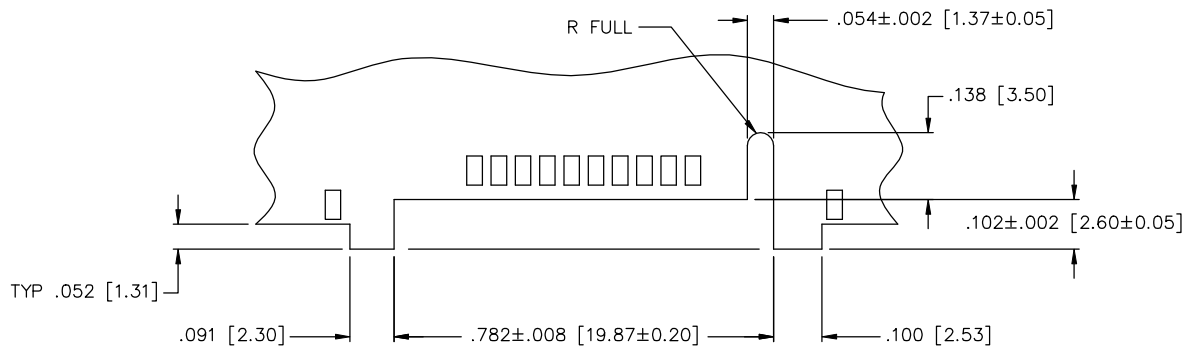
CONTACT RESISTANCE: 35 MILLIOHMS MAX INITIAL  
 CURRENT CAPACITY: 1 AMP MAX PER CONTACT  
 DIELECTRIC STRENGTH: 500 VAC  
 INSULATION RESISTANCE: 10,00 MEGAOHMS MIN INITIAL

**NOTES: UNLESS OTHERWISE SPECIFIED**

- 1 INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994
- 2 THIS PRODUCT CONFORMS TO ALL APPLICABLE FIBER CHANNEL (GBIC) SPECIFICATIONS.
- 3 MAXIMUM PCB THICKNESS THAT CONNECTOR WILL ACCOMMODATE
- 4 CONSULT TEKA'S SALES DEPARTMENT FOR ADDITIONAL SIZE VARIATIONS AND ALTERNATE CONFIGURATIONS
- 5 FOR MATING CONNECTOR-SEE TEKA PART NUMBER GR210-00-40D (SELF SOLDERING R/A RECEPTACLE)

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<b>Checked by:</b> JSC	<b>Date:</b> 10/27/99	
<b>Title:</b> SELF SOLDERING - S/M SCA - 2 PLUG		<b>Part No:</b> GP210-0_-40_ (SEE TABLES)
<b>Ref No:</b> S99002	<b>Scale:</b> 2:1	<b>Sheet</b> 1 of 2

Rev	Description	Date	By
J	ALL REVISIONS - SEE SHEET 1	03/09/01	VAR




RECOMMENDED HOST CARD LAYOUT

PART NUMBER DESCRIPTION

GP210-0-40\_  
 PCB THICKNESS SEE TABLE I      SOLDER DESCRIPTION SEE TABLE II

TABLE I - PCB THICKNESS	
PART NUMBER	PCB THICKNESS
GP210-00-40_	.062 [1.57]
GP210-01-40_	.051 [1.30]

TABLE II - SOLDER DESIGNATION	
PART NUMBER	SOLDER DESIGNATION
GP210-___-40D	COMPOSITION: 63-37 TIN-LEAD W/ FLUX CORE
GP210-___-40U	SOLID CORE (NO FLUX) COMPOSITION: 63-37 TIN-LEAD

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Checked by: JSC	Date: 10/27/99		Part No: GP210-0_-40_ (SEE TABLES)
Title: SELF SOLDERING - S/M SCA -2 PLUG		Ref No: S99002	Scale: 4:1      Sheet 2 of 2