

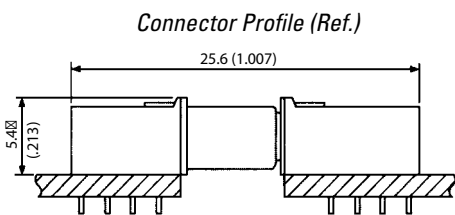
# TX20 SERIES CONNECTORS

## 1.27mm (.050") Contact Spacing, EMI Shielded, PCB-to-PCB Connectors



### FEATURES

- Contact spacing on mating side:  
1.27mm (.050") double row (10 to 120 contacts)  
Contact spacing on tail side:  
1.27mm (.050") between contacts  
1.905mm (.075") between staggered rows
- Horizontal or vertical connection between boards is accomplished by combining right angle receptacles with straight or right angle plugs
- Reliable ribbon style contacts are more durable against twisting during mating or unmating
- Ground lug is provided on tail for grounding to PCB
- Eight longer contacts on the outer ends of the receptacle are extended for first to make, last to break



Example of combined receptacle and plug



The TX20 Series is specifically designed to meet high density board-to-board interconnection requirements.

TX20 Series connectors enable either a horizontal or vertical connection between units without using a cable. This low profile half pitch 1.27mm (.050") connector is designed with an extremely low mounting height of 5.4mm (.212") for 10 to 120 contacts in horizontal connection.

The connector features a rugged metal shell that interfaces with the unit, and the reliable ribbon style contact design protects against twisting. The metal ground lug provides excellent EMI shielding for applications that require EMI protection as well as high density.

The flexibility of this connector makes it an ideal product for notebook computers and other high density applications such as disk drives and memory devices.

### GENERAL SPECIFICATIONS

Number of Contacts	10, 26, 40, 120
Contact Spacing	1.27mm (.050")
Current Rating	0.5 Amp per contact
Dielectric Withstanding Voltage	500 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	40 milliohms max.
Operating Temperature	-40°C to +80°C

### MATERIALS AND FINISHES\*

Description	Materials/Finishes
Shell	Steel/Nickel plating
Insulator	Glass-filled PBT/UL94V-0, Black
Contact	Phosphor Bronze Connection area: 0.1µm (.000004") Gold over Nickel Terminal area: Tin plating
Ground Lug	Phosphor Bronze/Tin plating
Hex Nut	Brass/Nickel plating
Hook Pin	Phosphor Bronze/Tin plating

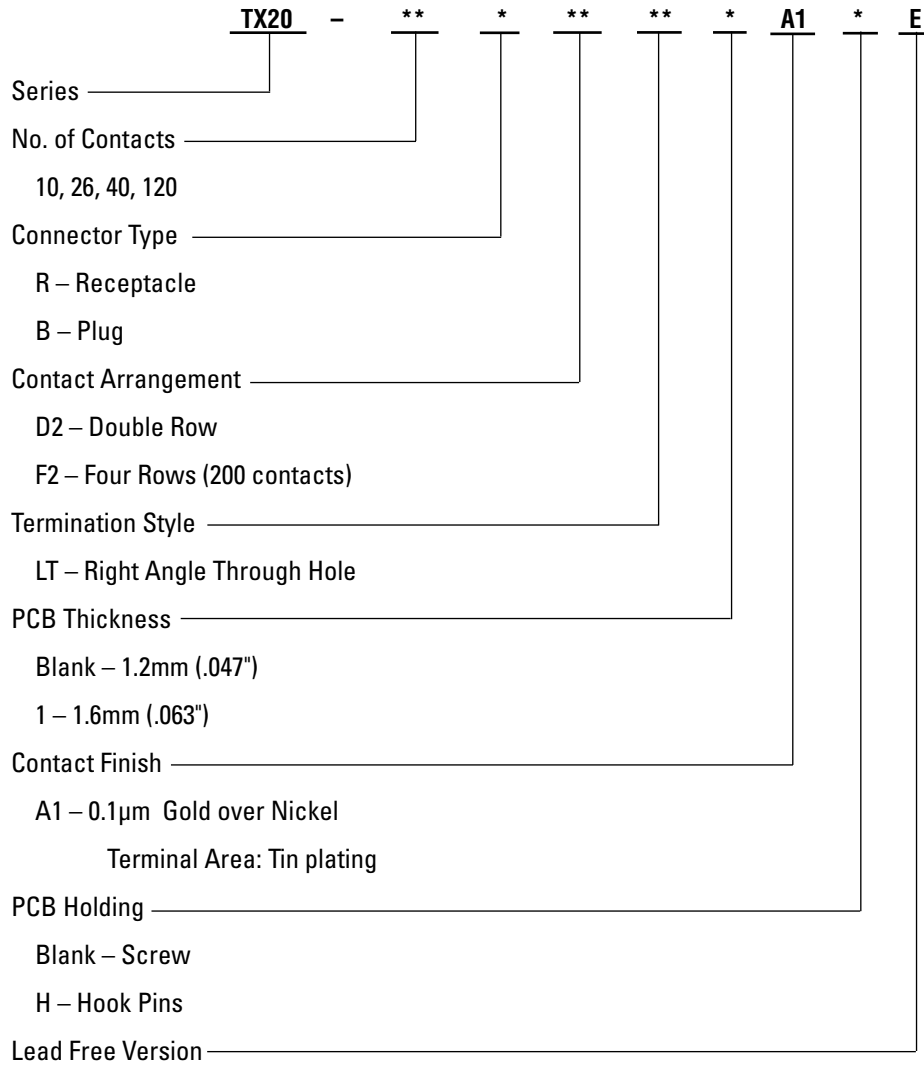
\* Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.

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## ORDERING INFORMATION



• Please consult JAE for verification of product availability.

Dimensions in mm (inches).