



GTB AND GTC SERIES MIL-DTL-55302 TYPE CONNECTORS

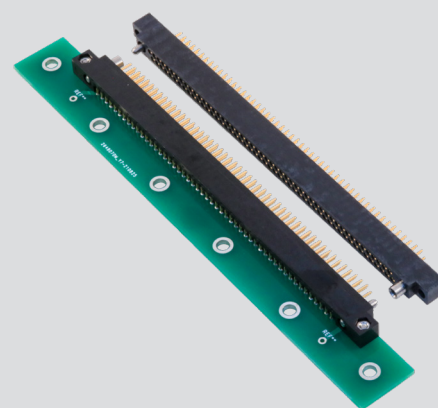
Rigorous rectangular plugs and receptacles optimized for high-reliability interconnections within printed circuit sub-assemblies

Glenair manufactures high-reliability MIL-DTL-55302 Type Board and I/O-to-Board Connectors to deliver relentless, mission-critical performance in severe aerospace and defense environments. We design these rugged rectangular plugs and receptacles to conquer heavy shock and vibration, safeguarding your single-sided, double-sided, and dense multilayer printed wiring boards against field failures. When off-the-shelf connectors compromise your system integrity, choose Glenair for engineered reliability.

High-Availability Contact Grid Profiles

We build our Mil-Spec Rectangular Connectors to optimize board real estate and maximize contact density:

- **GTB Standard Density (.100" Centers):** Our two-row arrangements provide a foundational 0.100-inch (2.54 mm) center-to-center footprint. They map seamlessly to standard board-to-board layouts and offer direct comparability to legacy AirBorn Series W architectures.
- **GTC High Density (.075" Centers):** When spatial limitations demand tighter packaging, our 0.075-inch (1.91 mm) center-to-center high-density configuration answers the call. These advanced mini-arrays deliver maximum pin counts within shrunk sub-assembly spaces without risking electrical shorts and also comparable to legacy AirBorn Series RM. For even tighter layouts, explore our HD Stacker Board-to-Board Connectors featuring an ultra-dense .0625" pitch.



FEATURES

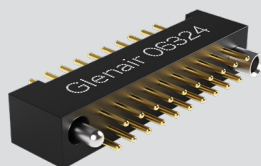
- IAW MIL-DTL-55302
- Fully compatible with IPC-2221 and MIL-PRF-31032 standards
- Compatible with single-sided, double-sided, and multilayer printed wiring boards
- Straight and Right Angle PCB, Flex PCB, and solder cup terminations
- Solder dipped terminals standard; optional gold plated terminals available

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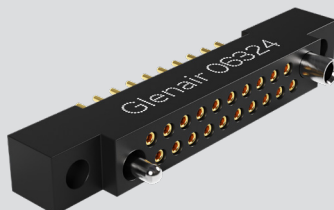
Rectangular I/O and Printed Circuit Board Connectors

Product overview

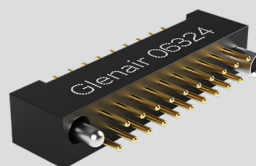
GTB STANDARD DENSITY



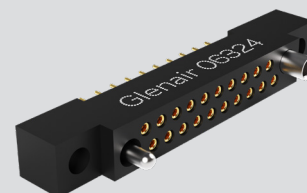
GTBB-ST: Pin or Socket Straight PCB Connector without Mounting Ears



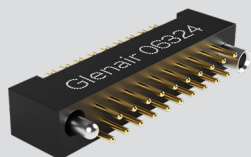
GTBA-ST: Socket Straight PCB Connector with Mounting Ears



GTBB-SF: Pin or Socket Straight Flex PCB Connector without Mounting Ears



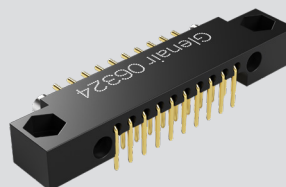
GTBA-SF: Socket Straight Flex PCB Connector with Mounting Ears



GTBB-SC: Pin or Socket Solder Cup Connector without Mounting Ears



GTBA-SC: Socket Solder Cup Connector with Mounting Ears

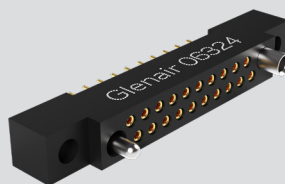


GTBA-RA: Pin Right Angle PCB Connector with Mounting Ears

GTC HIGH DENSITY



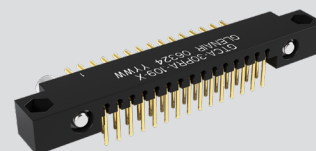
GTCA-ST: Socket Straight PCB Connector with Mounting Ears



GTCA-SF: Socket Straight Flex PCB Connector with Mounting Ears



GTCA-SC: Socket Solder Cup Connector with Mounting Ears



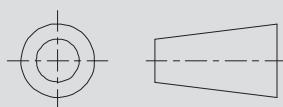
GTCA-RA: Pin Right Angle PCB Connector with Mounting Ears

TOLERANCES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCH (MM).

FRACTIONS:	1/16
ANGLES:	2
DECIMALS:	.X
	.XX
	.XX
	.XXXX
	.1 (2.54)
	.01 (0.25)
	.005 (0.13)
	.0010 (0.03)

INTERPRET GD&T
IAW ASME Y14.5-2009



THIRD ANGLE PROJECTION