VPX STACKING COMPLIANT PIN CONNECTOR

FITS VITA 46 FOOTPRINT AND ALLOWS CUSTOMERS TO CABLE OFF BACKPLANE OR PLUG-IN CARD

TE Connectivity (TE) has released a VPX stacking compliant pin connector which fits the VITA 46 footprint and allows customers to cable off of the backplane or plug-in card for rugged embedded computing applications.

VERSATILE
- Compliant pin termination on both sides
- Well suited for rigid flex or board-to-board stacking where a separable interface is not required

CONVENIENT
- Simple press-fit application
- Connector footprint matches the MULTIGIG RT 2 and MULTIGIG RT 2-R connector
- Fits VITA 46 half module spaces, end-to-end stackable to build the pin count required with standard components

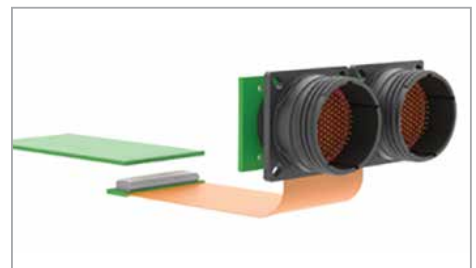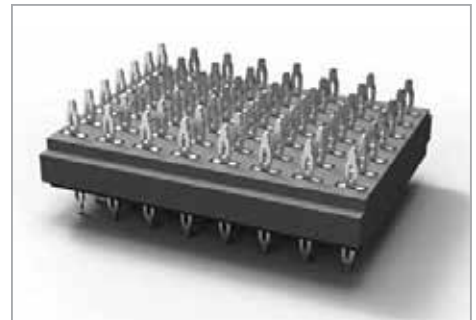### LOW PROFILE
- 4 mm stack height

APPLICATIONS/MARKETS
- Military Electronics/C4ISR
- Avionics
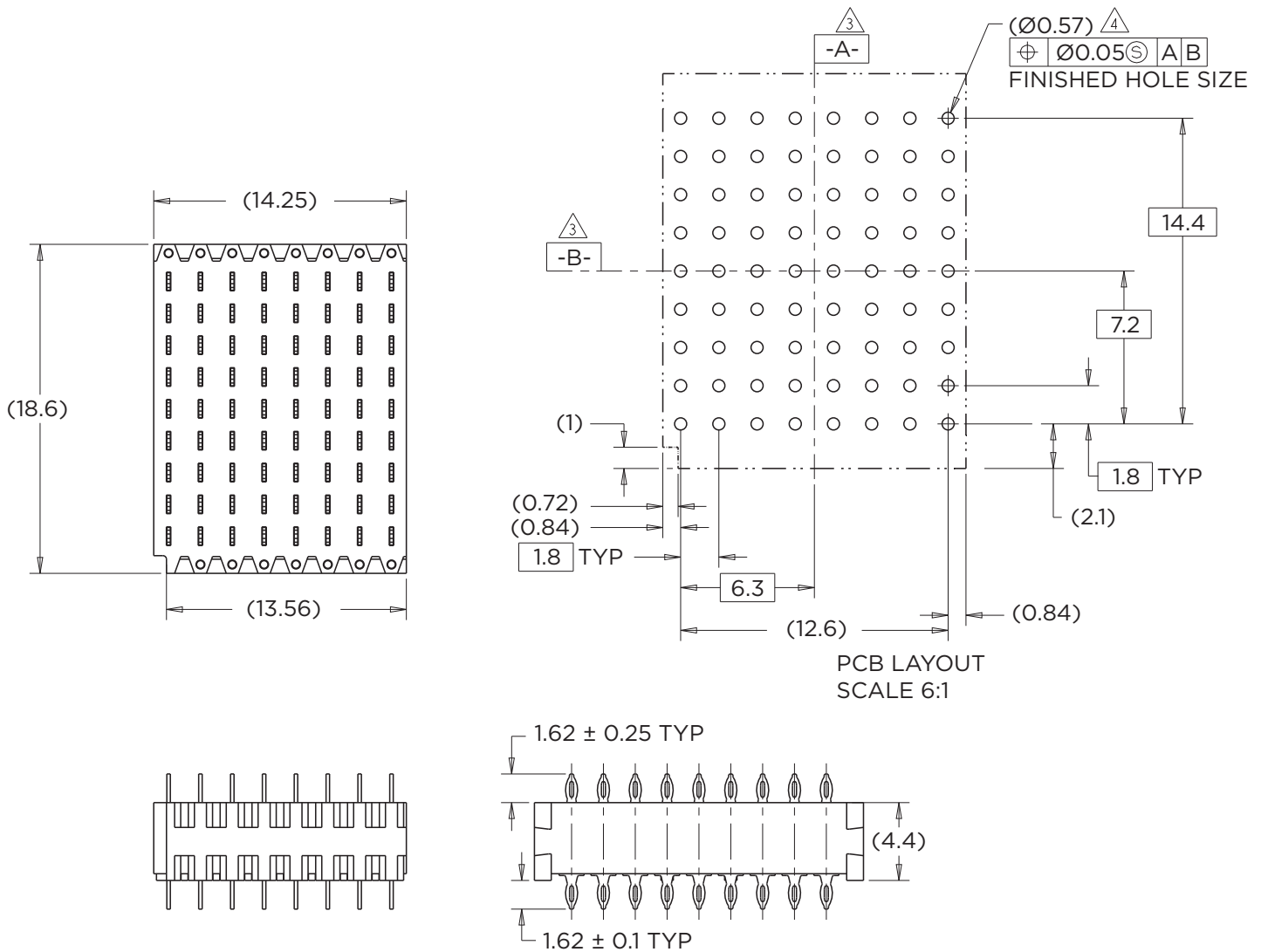- Ground Defense
- Missile Defense
- Space

MATERIAL
- Housing: LCP, Color—black
- Contact: Copper alloy

FINISH
- Compliant pin: 1.27 μm min tin lead (93/7) over 1.27 μm min nickel

VPX Stacking Compliant Pin Connector

(14.25)

(18.6)

(13.56)

-A-

(Ø0.57) ④

⊕ | Ø0.05Ⓢ | A | B

FINISHED HOLE SIZE

-B-

14.4

7.2

1.8 TYP

(1)

(0.72)

(0.84)

1.8 TYP

6.3

(2.1)

(0.84)

(12.6)

PCB LAYOUT
SCALE 6:1

1.62 ± 0.25 TYP

(4.4)

1.62 ± 0.1 TYP

Fits VITA 46.0 Footprint	Position Size	Stack Height	Tin-lead Plated Tails	Tin Plated Tails (RoHS)	Application Tooling
Plug-In Board	56 pos (8x7)	4.0 mm	2102785-1	2102785-2	2226504-1, -2, -3
Backplane	72 pos (8x9)	4.4 mm	2352497-1	2352497-2	2352498-1

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