



BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

MINI-BOX RCPT ASSY 20P SEALED

AMP

1-530745-2

TE Internal Number: 1-530745-2

Mil-Spec: M55302/119-01

[Always ELV Compliant](#)

[Find Compliant Alternatives](#)

Connector Style **Receptacle**

Centerline **1.27 mm [.05 in]**

Number of Positions **20**

Packaging Method **Package**

Contact Mating Area Plating Material **Gold**

Product Drawings

RECEPTACLE ASSY, MINI BOX MILITARY, WITH LOW FORCE CONTACTS

PDF
English

CAD Files

Customer View Model

2D_DXF.ZIP
English

3D PDF

PDF
3D

Customer View Model

3D_IGS.ZIP
English

Customer View Model

3D_STP.ZIP
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features

Connector Style	Receptacle
PCB Mounting Orientation	Vertical
Row-to-Row Spacing	3.81 mm [.15 in]
Gasket	Without
Applies To	Printed Circuit Board
Product Type	Connector
Boss	Without
Sealed	Yes

	Hybrid	No
	Connector Type	Connector Assembly
	Strain Relief	Without
	Stabilizers	Without
Configuration Features	Number of Positions	20
	Number of Rows	2
	Stackable	No
Body Features	Post Size	.20 x .46 mm [.008 x .018 in]
	Post Styles	Posted
	Sealing Method	Epoxy
	Color	Gray
Contact Features	Contact Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness (µin)	50
	Contact Type	Socket
	Contact Protection	Without
	Solder Tail Contact Plating Material	Tin-Lead over Nickel
	Contact Layout	Staggered
	Contact Base Material	Beryllium Copper
Termination Features	Termination Method to PC Board	Through Hole
	Termination Post Length (mm)	3.56, 4.83
	Termination Post Length (in)	.19
Mechanical Attachment	Mating Alignment Type	Polarization
	PCB Mount Retention	Without
Housing Features	Centerline	1.27 mm [.05 in]
	Housing Material	LCP (Liquid Crystal Polymer)
	Housing Color	Gray
Dimensions	Tail Length (mm)	3.55, 4.82
	Tail Length (in)	.14, .19
	Height	5.46 mm [.215 in]

Operation/Application	Pick and Place Cover	Without
	Assembly Process Feature	None
	For Use With	Mates with Headers
Industry Standards	Industry Standard Configuration	None
Packaging Features	Packaging Method	Package
	Packaging Quantity	1
Other	Comment	Also see 530745-1 unsealed version.

Product Compliance

[Statement of Compliance](#)
PDF

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