



BOARD-TO-BOARD HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)
0.8FH,R13H.5,160,08/Sn,TR,SC
0.8mm FH | .8mm FH

5084616-8
TE Internal Number: 5084616-8

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **.031 mm [.8 in]**

Stack Height (mm) **13, 14, 15, 16**

Stack Height (in) **.63**

Number of Positions **160**

Packaging Method **Reel**

Active

PRODUCT DRAWING
English

3D PDF

Product Drawings

[RECEPTACLE ASSY 13H TYPE \(0.5 BOSS LENGTH\) FOR FH 0.8MM B-T-B CONN. ON TAPING](#)

PDF (TIFF AVAILABLE)
English

[RECEPTACLE ASSY 13H TYPE \(0.5 BOSS LENGTH\) FOR FH 0.8MM B-T-B CONN. ON TAPING](#)

PDF (TIFF AVAILABLE)
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

Catalog Pages/Data Sheets

[Fine Pitch Stacking Connectors - 0.8mm Free Height \(FH\) Connectors](#)

PDF
English

Product Specifications

Product Specification

[Free Height 0.8 Mm Pitch Board-To-Board Connector \(SMT\)](#)

PDF
English

Product Environmental Compliance

TE Material Declaration

[0.8FH,R13H.5,160,08/Sn,TR,SC](#)

PDF
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 |
| | Board-to-Board Configuration | Mezzanine |
| | PCB Mounting Orientation | Vertical |
| | Row-to-Row Spacing | 2.4 mm [.09432 in] |
| | Applies To | Printed Circuit Board |
| | Product Type | Connector |
| | Boss | With |
| | Series | Free Height |

| | | |
|------------------------|---------------------|-------------|
| Configuration Features | Number of Positions | 160 |
| | Cover | With |
| | Preloaded | Yes |
| | Number of Rows | 2 |
| | Stackable | Yes |

| | | |
|----------------------------|---------------------------------------|------------|
| Electrical Characteristics | Insulation Resistance (VAC) | 500 |
| | Voltage (VAC) | 100 |
| | Dielectric Withstanding Voltage (VAC) | 500 |

| | | |
|---------------|----------------|---------------------|
| Body Features | Cover Material | Steel |
| | Cover Type | Vacuum Cover |
| | Sealant | Without |

| | | |
|------------------|---|---------------------------|
| Contact Features | Contact Mating Area Plating Material | Gold |
| | Contact Mating Area Plating Thickness | 8 µm [8 µin] |
| | Contact Shape | Square |
| | Contact Current Rating (A) | .5 |
| | Contact Type | Socket |
| | Solder Tail Contact Plating Material | Tin over Nickel |
| | Contact Layout | Inline |
| | Solder Tail Contact Plating Material Finish | Matte |
| | Solder Tail Contact Plating Thickness | 2 µm [78.74 µin] |
| | Contact Base Material | Copper Alloy |

| Termination Features | Termination Method to PC Board | Surface Mount |
|-----------------------|---|-------------------------------------|
| Mechanical Attachment | Mating Alignment Type | Polarized |
| | PCB Mount Retention | Without |
| | PCB Mount Retention Type | None |
| | PCB Mount Alignment Type | Positioning Bosses |
| | Locating Post Length (mm) | .5 |
| | Locating Post Length (in) | .0196 |
| Housing Features | Centerline | .031 mm [.8 in] |
| | Housing Material | LCP (Liquid Crystal Polymer) |
| | Housing Color | Natural |
| | Housing Entry Style | Top |
| Dimensions | Stack Height (mm) | 13, 14, 15, 16 |
| | Stack Height (in) | .63 |
| | Height | 13 mm [.512 in] |
| Usage Conditions | Operating Temperature Range | -40 – 85 °C [-40 – 185 °F] |
| Operation/Application | Pick and Place Cover | Without |
| | Assembly Process Feature | None |
| | For Use With | Plug Assembly |
| Industry Standards | UL Flammability Rating | UL 94V-0 |
| Packaging Features | Packaging Method | Reel |
| | Packaging Quantity | 200 |
| Product Compliance | Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE | |



Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers & Receptacles
0.8mm FH | .8mm FH

**0.8FH, P05H.5, 160,
30/Sn, TU - 5084614-8**

TE INTERNAL NUMBER: 5084614-8

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **.031 mm**

Stack Height **5 mm, 9 mm, 13 mm, 17 mm**

Number of Positions **160**

Packaging Method **Tube, Tube/Box**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers & Receptacles
0.8mm FH | .8mm FH

**0.8FH, P05H.5, 160,
30/Sn, TR, SC
- 5-5177986-8**

TE INTERNAL NUMBER: 5-5177986-8

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **.031 mm**

Stack Height **5 mm, 9 mm, 13 mm, 17 mm**

Number of Positions **160**

Packaging Method **Tape & Reel**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers & Receptacles
0.8mm FH | .8mm FH

**0.8FH, P07H.5, 160,
08/Sn, TU - 5179030-8**

TE INTERNAL NUMBER: 5179030-8

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **.031 mm**

Stack Height **7 mm, 11 mm, 15 mm, 19 mm**

Number of Positions **160**

Packaging Method **Tube, Tube/Box**

