



CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)

1FHP,64,50A/P,S,C,S08

1.0mm FH | 1mm FH

1-146897-1

TE Internal Number: 1-146897-1

Not EU RoHS Compliant

Not Yet Reviewed for EU ELV

Connector Style Plug

Connector System Board-to-Board

Number of Positions 64

Centerline (Pitch) 1 mm [.039 in]

Stack Height 8 mm [.315 in]

[↓ PRODUCT DRAWING](#)
English

[↓ 3D PDF](#)

DOCUMENTATION

Product Drawings

PLUG ASSY, W/VACUUM COVER, 1.0mm FH(IEEE 1386) CONNECTOR

PDF (TIFF AVAILABLE)

English

CAD Files

Customer View Model

2D_DXF.ZIP

English

Customer View Model

3D_IGS.ZIP

English

Customer View Model

3D_STP.ZIP

English

3D PDF

PDF

English

Product Specifications

Application Specification

1.0 Mm Free Height (FH) Plug And Receptacle Connectors Using Surface Mount Technology (SMT)

PDF

English

Product Specification

1.0 Mm Mezzanine Connectors

PDF

English

FEATURES



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 Plug

Connector System Board-to-Board

Connector & Contact Terminates To Printed Circuit Board

Row-to-Row Spacing (mm) 1

Series 1mm FH

PCB Mounting Orientation Vertical

Connector Type Connector Assembly

Boss With

Product Type Connector

Configuration Features

Stackable Yes

Number of Positions 64

Board-to-Board Configuration Mezzanine

Number of Rows 2

Number of Columns 32

Solder Tail Orientation Inline

Electrical Characteristics

Voltage (VAC) 250

Signal Characteristics

Differential Signaling Yes

Contact Features

Solder Tail Contact Plating Material Tin-Lead
Contact Configuration Single Beam
Solder Tail Contact Plating Material Finish Matte
Underplate Material Nickel
Contact Plating Material Gold Flash, Ni, Tin-Lead
Contact Plating Thickness .025–.076, .127–.254, 2
Contact Mating Area Plating Material Gold
Contact Mating Area Plating Thickness 1.27 µm [50 µin]
Contact Current Rating (Max) (A) 1
Tin to Lead Ratio 93 / 7
Solder Tail Contact Plating Thickness 3.81 µm [150 µin]
Contact Termination Area Plating Thickness 3.81 µm [150 µin]
Contact Layout Inline
Underplate Material Thickness 1.27 µm [50 µin]
Contact Base Material Phosphor Bronze
Contact Transmits (Typical) Signal (Data)
Contact Termination Area Plating Material Tin-Lead

Termination Features

Termination Method to PC Board Surface Mount

Mechanical Attachment

Mating Alignment Without
Mating Alignment Type None
PCB Mount Retention Without
PCB Mount Retention Type None
PCB Mount Alignment With
PCB Mount Alignment Type Locating Posts
Mating Retention Without

Housing Features

Centerline (Pitch) 1 mm [.039 in]
Housing Entry Style Top
Housing Material LCP (Liquid Crystal Polymer)
Housing Color Black

Dimensions

Stack Height 8 mm [.315 in]
Height 6.35 mm [.249 in]
Tail Length 2.05 mm [.081 in]
Length 34.22 mm [1.347 in]
Width 6.04 mm [.238 in]

Usage Conditions

Operating Temperature Range -55 – 110 °C [-67 – 230 °F]

Operation/Application

Pick and Place Cover With

Industry Standards

CSA Certified Yes

UL Flammability Rating UL 94V-0

UL Rating Listed

Agency/Standard CSA, UL

Industry Standard IEEE 1386 Mezzanine Connector

CSA File Number LR7189

UL File Number E28476

Packaging Features

Packaging Method Tape & Reel

Packaging Quantity 500

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance

PDF
