



CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)

STEP-Z RCPT 11MM 296P LF ST

STEP-Z

6-1761617-1

TE Internal Number: 6-1761617-1

EU RoHS Compliant

EU ELV Compliant

Connector Style Receptacle

Number of Positions 296

Centerline (Pitch) 1.3 mm [.051 in]

Stack Height (mm) 21, 23, 24, 26, 31, 36

Stack Height (in) 1.417

Contact Plating Material Gold over Nickel

 **PRODUCT DRAWING**
English

DOCUMENTATION

Product Drawings

STEP-Z RECEPTACLE ASSEMBLY, 296 SIGNAL POSITION

PDF

English

Product Environmental Compliance

TE Material Declaration

MD_6-1761617-1_01222016859_dmtec

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 Receptacle
Connector & Contact Terminates To Printed Circuit Board
Row-to-Row Spacing 2 mm [.0786 in]
PCB Mounting Orientation Vertical
Boss Without
Product Type Connector

Configuration Features

Stackable Yes
Cover With
Number of Positions 296
Number of Rows 18

Electrical Characteristics

Dielectric Withstanding Voltage (VAC) 500
Voltage (VAC) 48
Insulation Resistance (M Ω) 5000

Body Features

Cover Type Vacuum Cover

Contact Features

Contact Configuration Dual Beam, Single Beam
Contact Plating Material Gold over Nickel
Contact Plating Thickness Gold:30 - Nickel:50
Contact Mating Area Plating Material Gold
Contact Mating Area Plating Thickness .76 μ m [29.9212 μ in]
Contact Current Rating (Max) (A) 1
Contact Base Material Copper Alloy
Contact Type Socket
Contact Layout Matrix

Termination Features

Termination Method to PC Board Through Hole - Solder
Solder Ball Material Tin-Silver

Mechanical Attachment

Mating Alignment Type Polarization
PCB Mount Retention Without

Housing Features

Centerline (Pitch) 1.3 mm [.051 in]
Housing Material Thermoplastic

Dimensions

Stack Height (mm) 21, 23, 24, 26, 31, 36

Stack Height (in) 1.417

Height 16.65 mm [.654345 in]

Usage Conditions

Operating Temperature Range 0 – 100 °C [32 – 212 °F]

Operation/Application

Assembly Process Feature None

Pick and Place Cover With

For Use With Plug Assembly

Packaging Features

Packaging Method Tray

Packaging Quantity 20

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance

PDF
