# 747840-4 ACTIVE

### **AMPLIMITE**

TE Internal #: 747840-4

Plug, Board-to-Board, 9 Position, 2.74 mm [.108 in] Centerline, 2 Row, 1 Connector Shell Size, Round, Standard Profile, PCB D-Sub

Connectors

View on TE.com >



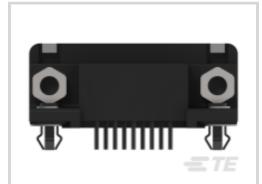
Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors >

D-Sub Plug Assembly: Standard, Right Angle, Shell Size 1, 2.74mm











Connector & Housing Type: Plug
Connector System: Board-to-Board

Number of Positions: 9

Centerline (Pitch): 2.74 mm [ .108 in ]

Number of Rows: 2

All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 1, 2.74mm (53)

## **Features**

### **Product Type Features**

Troduct Type realures	
Shell Material Configuration	Front Metal Shell
Ground Feature Type	Grounding Indents, Grounding Straps
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	1
Connector & Contact Terminates To	Printed Circuit Board
Connector & Contact Terminates To  Configuration Features	Printed Circuit Board
	Printed Circuit Board  9
Configuration Features	
Configuration Features  Number of Positions	9

Assembly Process Feature Material Copper Alloy



Mating Retention Feature Material	Zinc
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	Standard
Contact Features	
Contact Options	Installed
	30 μin
Contact Mating Area Plating Material	Gold, Gold Flash
Contact Underplating Material	Palladium Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Shape & Form	Round
Contact Current Rating (Max)	6 A
Termination Features	
Termination Post & Tail Diameter	.66 mm[.026 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mating Retention Feature Plating Material	Clear Chromate
Assembly Process Feature Plating Material	Tin-Lead over Nickel
Mounting Feature Plating Material	Tin over Copper Flash
Mounting Feature Material	Brass
Mounting Hole Diameter	3.18 mm[.125 in]
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	With
Mating Retention Type	Threaded Insert, 4-40 UNC
Connector Mounting Type	Board Mount
Housing Features	
Shell Material	Steel
Housing Material	Nylon GF, Polyester GF
Centerline (Pitch)	2.74 mm[.108 in]



#### **Dimensions**

PCB Thickness (Recommended)	1.57 mm[.062 in]
Row-to-Row Spacing	2.84 mm[.112 in]
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Circuit Application	Signal
Industry Standards	
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	130

Tray

# **Product Compliance**

Packaging Method

For compliance documentation, visit the product page on TE.com>

ELL DallC Diva ation 2011 // E/ELL	Niat Camardiant
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 265°C

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous



materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-onreach

# Compatible Parts



TE Part # CAT-AM7-248H6 IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm



TE Part # CAT-AM7-253 IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm



TE Part # CAT-AM7-248H8 IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.74 mm



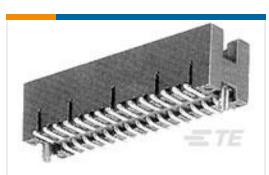
TE Part # 747516-7 09 HDE PMOLD RCPT, LEAD FREE



# **Customers Also Bought**



TE Part #2101510-2 4 Pos RF Module, Backplane, OSMM **PASSIVA** 



TE Part #5-104655-3 20 50/50 HDR DRST SFMNT TIN

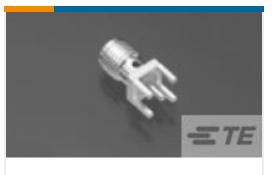


TE Part #1218434-3 R/A RCP ASSY 25 POS SER 109





TE Part #1996942-1 OSMM STR CBL PLUG RG405



TE Part #6274096-1 JACK ASSEMBLY, ACTION PIN, SMA



TE Part #202799-1 CNTR FASTENER PLUG BLOCK,160P



VERTRECASSY, JO/J1A, MULTIGIG RT3





### **Documents**

## **Product Drawings**

09 MSFL PLUG RA 318 (IN,FM,BL)

English

### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_747840-4\_AC.2d\_dxf.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_747840-4\_AC.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_747840-4\_AC.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

# **Product Specifications**

**Application Specification** 

English

# Agency Approvals

**UL Report** 

English