



PCB D-SUB CONNECTORS



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TE CONNECTIVITY (TE)

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

AMPLIMITE | SL , Standard

747840-6

TE Internal Number: 747840-6

Alias ID: 1033351

Not EU RoHS or ELV Compliant

[Find Compliant Alternatives](#)

Connector Style **Plug**

Centerline (mm) **2.74**

Number of Positions **9**

Number of Rows **2**

Shell Size **1**

Product Drawings

[PLUG ASSEMBLY, SIZE 1, 9 POSITION, RIGHT ANGLE, FRONT METAL SHELL, .318 SERIES, BOARDLOCKS, AMPLIMITE HD-20](#)

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CAD Files

[Customer View Model](#)

2D_DXF.ZIP
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Product Specifications

Product Specification

[AMPLIMITE HD-20 PCB Mounted Connector](#)

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Application Specification

[AMPLIMITE Right-Angle Front Metal Shell Connectors](#)

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Qualification Test Report

[Connector, AMPLIMITE HD-20, Printed Circuit Board Mounted](#)

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Product Environmental Compliance

TE Material Declaration

[MD_747840-6_06212013728_dmtec](#)

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Product Type Features	Connector Style	Plug
	Shell Size	1
	Profile	Standard
	PCB Mounting Orientation	Right Angle
	Grounding Straps	With
	Shell Type	Front Metal Shell
	Footprint	8.08 mm [.318 in]
	Grounding Indents	With
	Applies To	Printed Circuit Board
	Sealed	No
Product Type	Connector	
Configuration Features	Number of Positions	9
	Number of Rows	2
	Preloaded	Yes
Body Features	Plastic	No
	Female Screwlock Material	Zinc
	Female Screwlock Plating Material	Clear Chromate
	Color Code	None
	Eyelet Plating Material	Tin over Copper Flash
	Shell Plating Material	Tin
	Shell Material	Steel
	Eyelet Material	Brass
	Post Size	.66 mm [.026 in]
Contact Features	Contact Shape	Round
	Solder Tail Contact Plating Material	Tin over Nickel, Tin-Lead over Nickel
	Contact Base Material	Brass
	Contact Mating Area Plating Thickness (µin)	30
	Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
Termination Features	Termination Post Length	3.18 mm [.125 in]
	Grounding Clips	Without

Mechanical Attachment	PCB Mounting Style	Through Hole
	PCB Mount Retention	With
	PCB Mount Retention Type	Boardlocks
	Mating Connector Lock	With
	Mating Connector Lock Type	Female Screwlocks, Fixed
	Panel Mount Retention	Without
	Boardlock Material	Copper Alloy
	Mounting Hole Diameter	3.18 mm [.125 in]
Boardlock Plating Material	Tin-Lead over Nickel	

Housing Features	Centerline (mm)	2.74
	Housing Color	Black
	Housing Material	Nylon GF, Polyester GF

Dimensions	PCB Thickness (Recommended)	1.57 mm [.062 in]
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Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	UL E28476

Packaging Features	Packaging Method	Tray
	Packaging Quantity	130

Other	Comment	Plugs are preloaded with size 20 DF posted pin contacts
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Product Compliance

[Statement of Compliance](#)
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