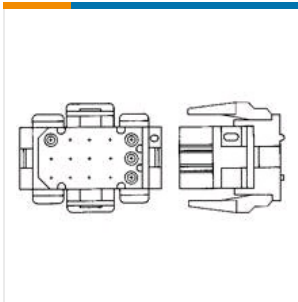




# RECTANGULAR POWER CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## 20P MR II PLUG HSG V0 RED

AMP | HS , Miniature Rectangular

1-640524-0

TE Internal Number: 1-640524-0

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Board, Wire-to-Panel, Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **20**

### Product Drawings

[HOUSING, PLUG MR II 20 POSITION](#)

PDF (TIFF AVAILABLE)  
English

[HOUSING, PLUG MR II 20 POSITION](#)

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

### Catalog Pages/Data Sheets

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

PDF  
English

### Product Specifications

Product Specification

[Connector, Miniature Rectangular \(MR\)](#)

PDF  
English

Application Specification

[Miniature Rectangular Contacts And Housings](#)

PDF  
English

Qualification Test Report

[Connector, Miniature Rectangular \(MR\)](#)

PDF  
English

[Connector, Miniature Rectangular \(MR\)](#)

TIF  
English

## Instruction Sheets

Instruction Sheet (U.S.)

### AMP\* MINIATURE RECTANGULAR II (MRII) CONNECTORS

PDF  
English

### AMP\* MINIATURE RECTANGULAR II (MRII) CONNECTORS

TIF  
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	Product Type	<b>Housing</b>
	Housing Type	<b>Plug</b>
	Contact Type	<b>Socket</b>

---

Configuration Features	Number of Positions	<b>20</b>
	Centerline	<b>4.19 mm [ .165 in ]</b>
	Number of Signal Positions	<b>20</b>
	Number of Rows	<b>5</b>
	Row-to-Row Spacing	<b>4.19 mm [ .165 in ]</b>

---

Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
----------------------------	-------------------------	------------

---

Mechanical Attachment	Panel Mount Retention	<b>Without</b>
-----------------------	-----------------------	----------------

---

Housing Features	UL Flammability Rating	<b>UL 94V-0</b>
	Housing Color	<b>Brick Red</b>

---

Dimensions	Length	<b>21.34 mm [ .84 in ]</b>
	Height	<b>12.95 mm [ .51 in ]</b>
	Accepts Wire Insulation Diameter Range	<b>2.92 mm [ .115 in ]</b>
	Width	<b>29.72 mm [ 1.17 in ]</b>

---

Usage Conditions	Sealed Condition	<b>Not Sealed</b>
------------------	------------------	-------------------

---

Operation/Application	Connector System	<b>Wire-to-Board, Wire-to-Panel, Wire-to-Wire</b>
	Applies To	<b>Wire/Cable</b>
	Operating Temperature	<b>-55 – 105 °C [ -67 – 221 °F ]</b>

---

Industry Standards	UL Rating	<b>Recognized</b>
--------------------	-----------	-------------------

CSA File Number	<b>LR7189</b>
Agency/Standard	<b>CSA, UL</b>
Agency/Standard Number	<b>E28476</b>


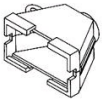

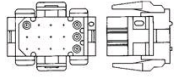
Packaging Features	Packaging Method	<b>Box</b>
	Packaging Quantity	<b>600</b>

Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

RIBBON CABLE CONNECTORS	RECTANGULAR BOOTS & STRAIN RELIEF	RECTANGULAR CONNECTOR ADAPTERS	RECTANGULAR POWER CONNECTORS
 <p><b>20 NOVO MIL 30DP, LEAD FREE</b> 1658623-4</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p><b>20P STR/REL HSG HNGD V0 RED</b> 480634-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p><b>UMNL STR/REL ADAPTER CAP</b> 643182-2</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p><b>15P MR II PLUG HSG V0 RED</b> 1-640523-0</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>

Products - 5 Results

[View All](#)

[Compare 0/10](#)

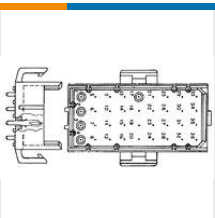
Relation Type ▼

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

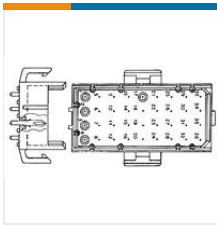
PRODUCT - MATING PRODUCTS		
	<p>Connectors - Rectangular Power Connectors AMPI HD.25, Miniature Rectangular</p> <p><b>20P MR HDR ASSY V0 RED - 640504-1</b></p> <p>TE INTERNAL NUMBER: 640504-1</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p>

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Rectangular Power Connectors  
AMP I HD.25, Miniature Rectangular

**20P MR HDR ASSY VO**  
**RED LF - 2-640504-2**

TE INTERNAL NUMBER: 2-640504-2

✓ Active

Always EU RoHS/ELV Compliant

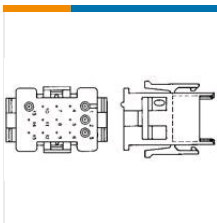


RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Rectangular Power Connectors  
AMP I CAP, Miniature Rectangular

**20P MR II CAP HSG VO**  
**RED - 1-640514-0**

TE INTERNAL NUMBER: 1-640514-0

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Receptacle**

Connector System **Wire-to-Panel,**  
**Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **20**

