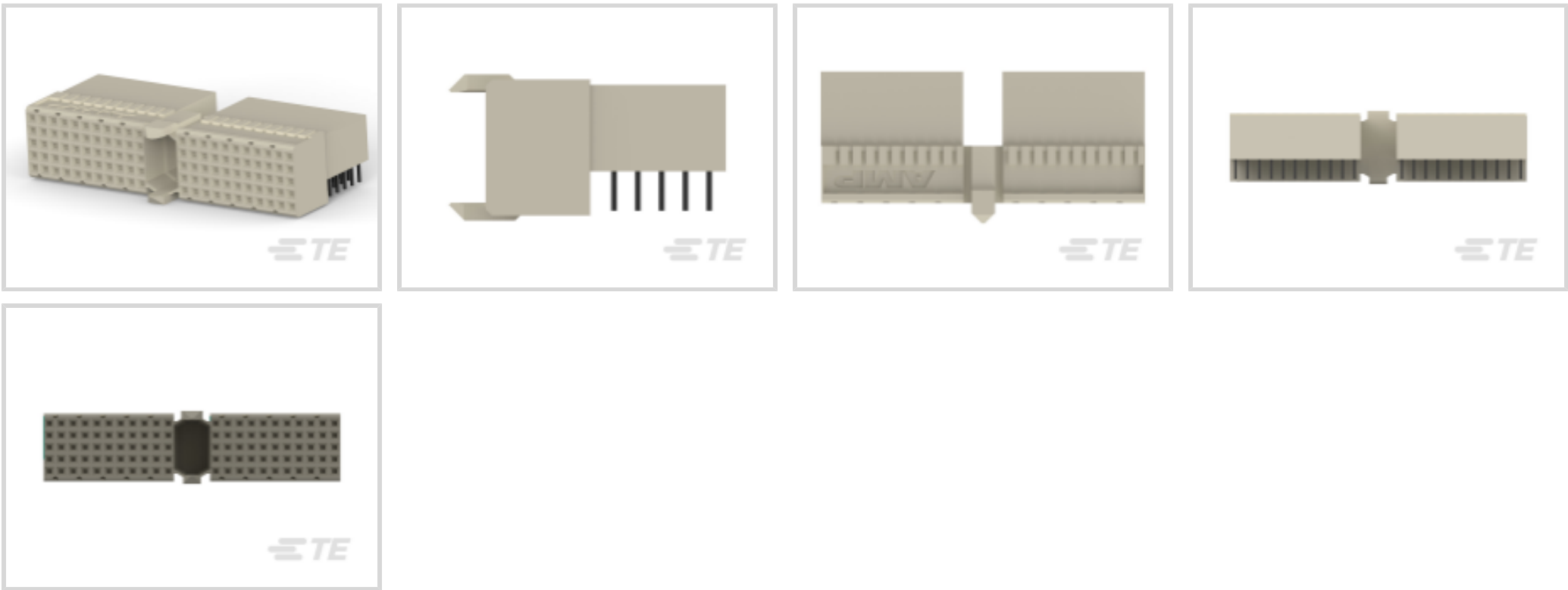




Connectors > PCB Connectors > Backplane Connectors > Hard Metric Backplane Connectors >

HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



PCB Connector Type: **PCB Mount Receptacle**

Data Rate: **≤1 Gb/s**

Number of Columns: **22**

Number of Rows: **5**

Backplane Architecture: **Mezzanine**

[All HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm \(48\)](#)

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Backplane Interface Type	2mm HM
Connector System	Board-to-Board
PCB Connector Type	PCB Mount Receptacle
Sealable	No

Configuration Features

Rows Loaded	A, B, C, D, E
Number of Columns	22
Number of Rows	5
Backplane Architecture	Mezzanine
Number of Positions	110
PCB Mount Orientation	Right Angle



Signal Characteristics

Crosstalk Version	Standard
Data Rate	≤1 Gb/s

Body Features

Primary Product Color	Gray
-----------------------	------

Contact Features

Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
CompactPCI Designation	None
PCB Contact Termination Area Plating Material	Tin
Feedthrough Post Length	3.3 mm
Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au), Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Current Rating (Max)	1.5 A

Mechanical Attachment

Connector Mounting Type	Board Mount
Mating Alignment Type	Multi-Purpose Center

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	2 mm[.078 in]

Dimensions

Backplane Module Length	50 mm
-------------------------	-------

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
-----------------------------	----------------------------

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

--	--



Packaging Quantity	11
Packaging Method	Tube

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

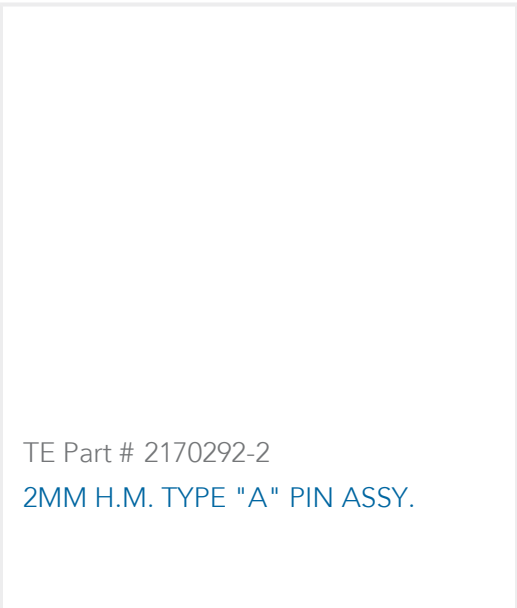
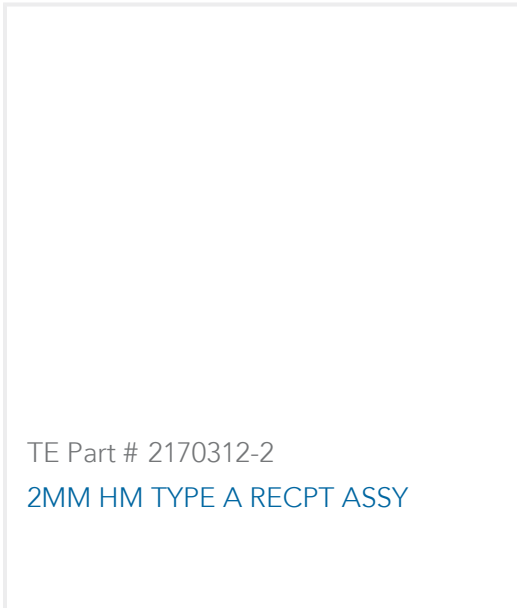
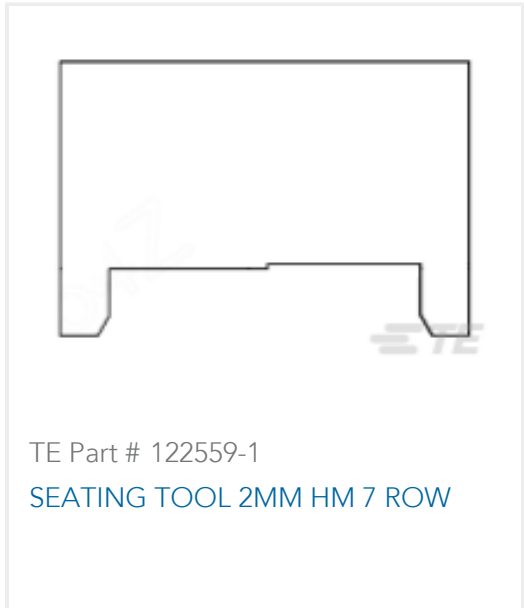
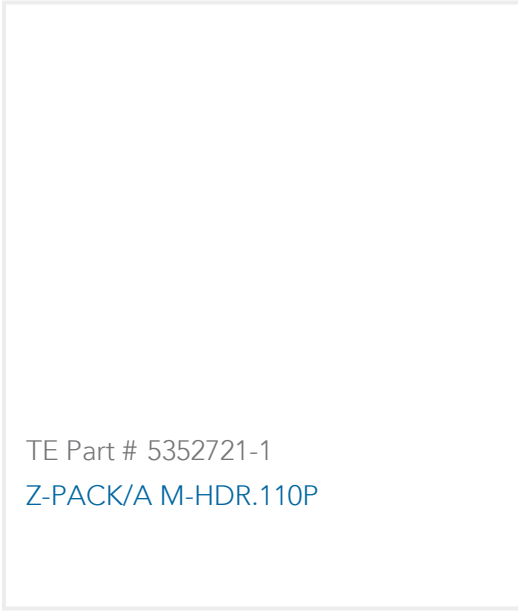
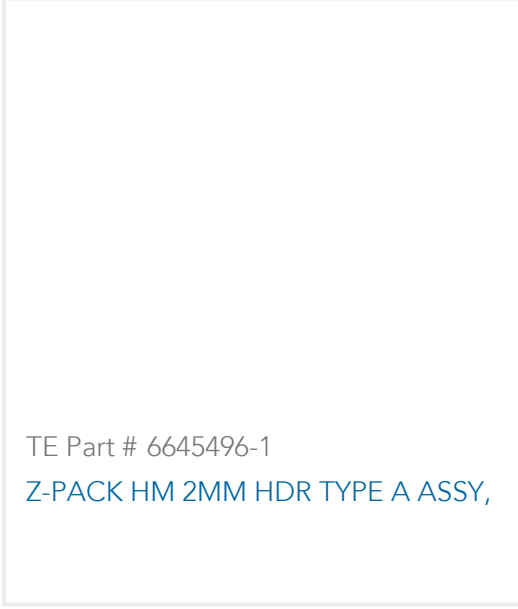
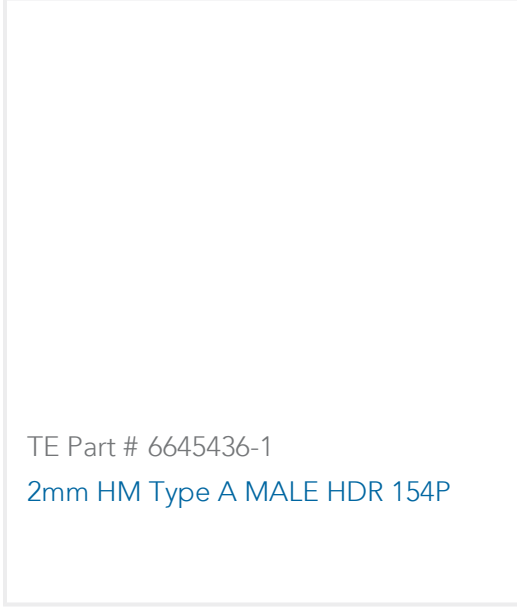
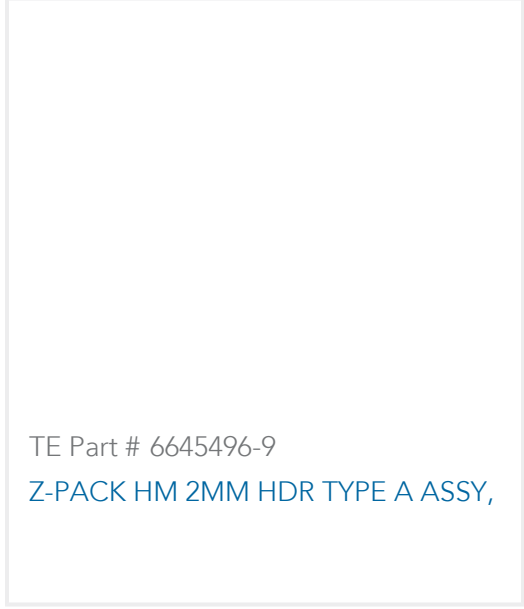
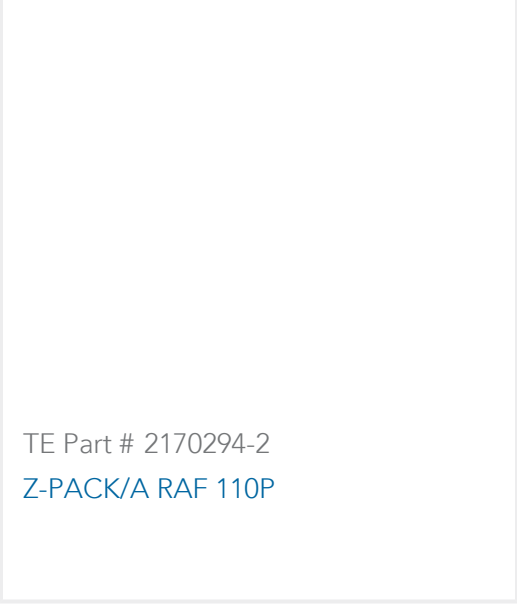
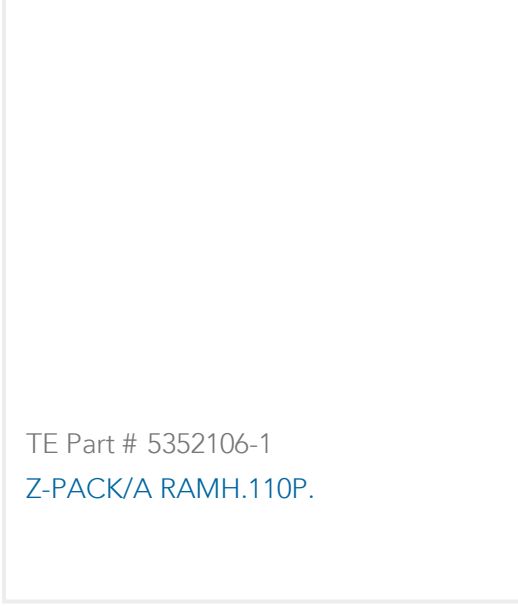
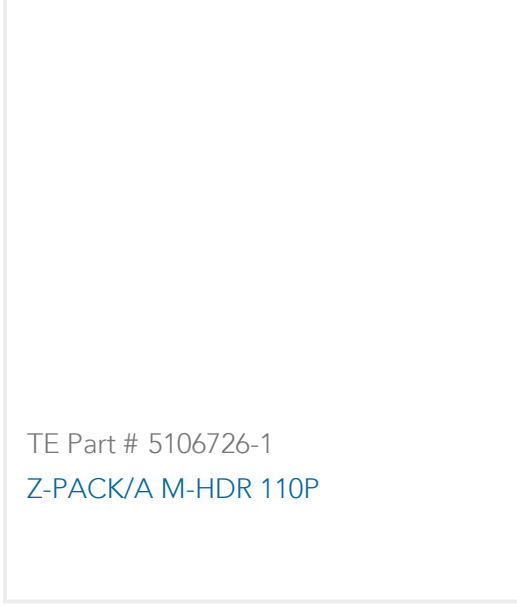
Product Compliance Disclaimer

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-on-reach>

Compatible Parts

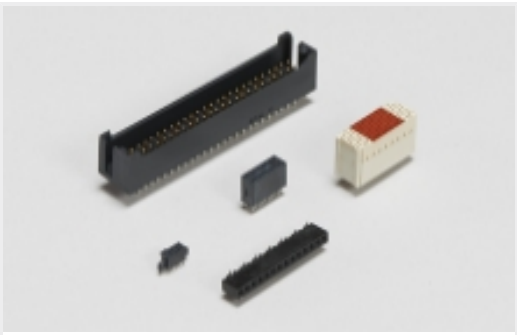
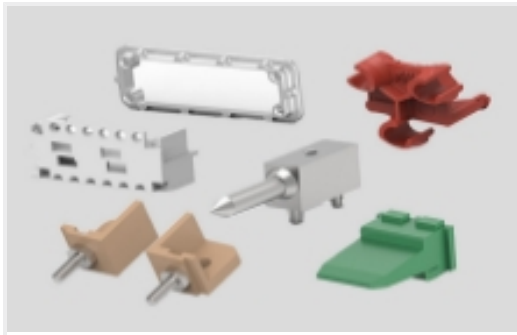
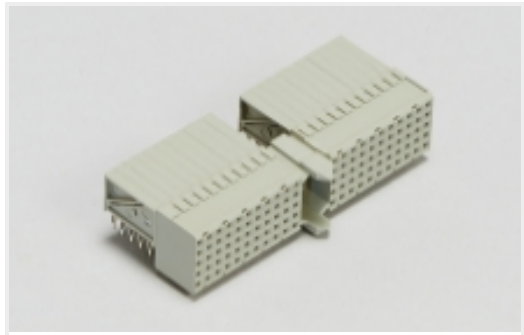
TE Part # 2170313-2 Z-PACK A HEADER 110P	TE Part # 6645302-1 2MM H.M. TYPE "A" PIN ASSEMBLY	TE Part # 6645303-1 2MM H.M. TYPE "A" PIN ASSEMBLY	TE Part # 6645301-1 2MM H.M. TYPE "A" PIN ASSEMBLY
--	--	--	--



 TE Part # 2170292-2 2MM H.M. TYPE "A" PIN ASSY.	 TE Part # 2341384-1 2MM H.M. TYPE "A" PIN ASSY.	 TE Part # 2170312-2 2MM HM TYPE A RECPT ASSY	 TE Part # 122559-1 SEATING TOOL 2MM HM 7 ROW
 TE Part # CAT-472-Z12 Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm	 TE Part # 5352721-1 Z-PACK/A M-HDR.110P	 TE Part # 106137-2 Z-PACK/A SHRD.110P	 TE Part # 2392557-1 Z-PACK/A RAF 110P EON
 TE Part # CAT-472-Z1 Hard Metric Backplane Male Connector: Right Angle, Coplanar, 2mm	 TE Part # 6645496-1 Z-PACK HM 2MM HDR TYPE A ASSY,	 TE Part # 6645436-1 2mm HM Type A MALE HDR 154P	 TE Part # 6645496-9 Z-PACK HM 2MM HDR TYPE A ASSY,
 TE Part # 2170294-2 Z-PACK/A RAF 110P	 TE Part # 5352106-1 Z-PACK/A RAMH.110P.	 TE Part # 5106726-1 Z-PACK/A M-HDR 110P	

Also in the Series

Z-PACK 2mm HM

 Board-to-Board Headers & Receptacles(46)	 Connector Contacts(2)	 Connector Hardware(91)	 Hard Metric Backplane Connectors (266)
---	---	---	---



Power Contacts(2)



Rectangular Power Connectors(46)

Customers Also Bought



TE Part #2384218-3
SLIVER 2.0 4C+ vertical receptacle



TE Part #5535034-5
ASSY,RECEPTACLE,EUROCARD,TYPE C/2,L-FREE



TE Part #2299940-5
ZQSFP+ STACKED REC ASSEMBLY 2X1,HS



TE Part #4-2364427-4
PCIE GEN5 CON,SMT,164P,15u Au,S-MYLAR,HT



TE Part #2300275-1
zSFP+ 1x4 Cage Assembly, Press-Fit



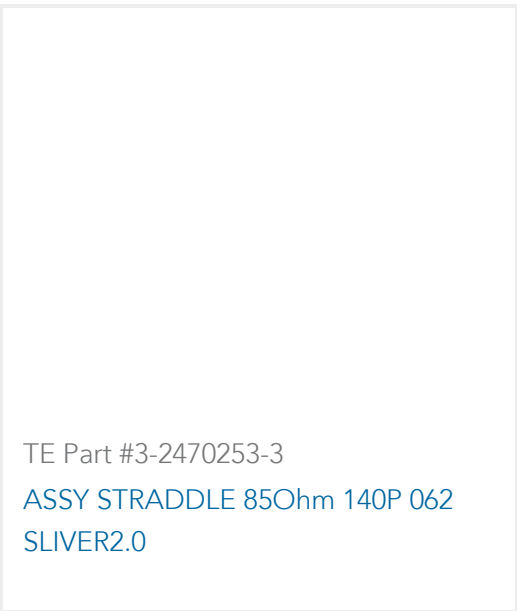
TE Part #5100145-1
Z-PACK/B25 RAF 125P



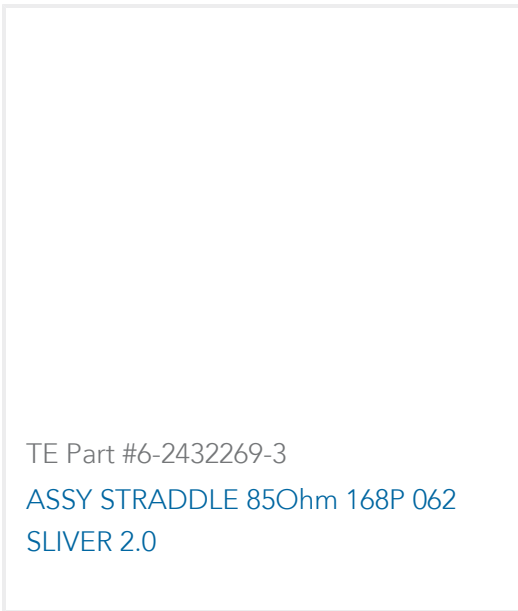
TE Part #5646956-2
UPM PIN ASSEMBBLY, SEQUENCED



TE Part #5100143-1
2MM H.M. TYPE "A" PIN ASSY.



TE Part #3-2470253-3
ASSY STRADDLE 85Ohm 140P 062 SLIVER2.0



TE Part #6-2432269-3
ASSY STRADDLE 85Ohm 168P 062 SLIVER 2.0

Documents

Product Drawings
Z-PACK/A RAF 110P

English

CAD Files
Customer View Model
ENG_CVM_CVM_5100147-1_B.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_5100147-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5100147-1_B.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