

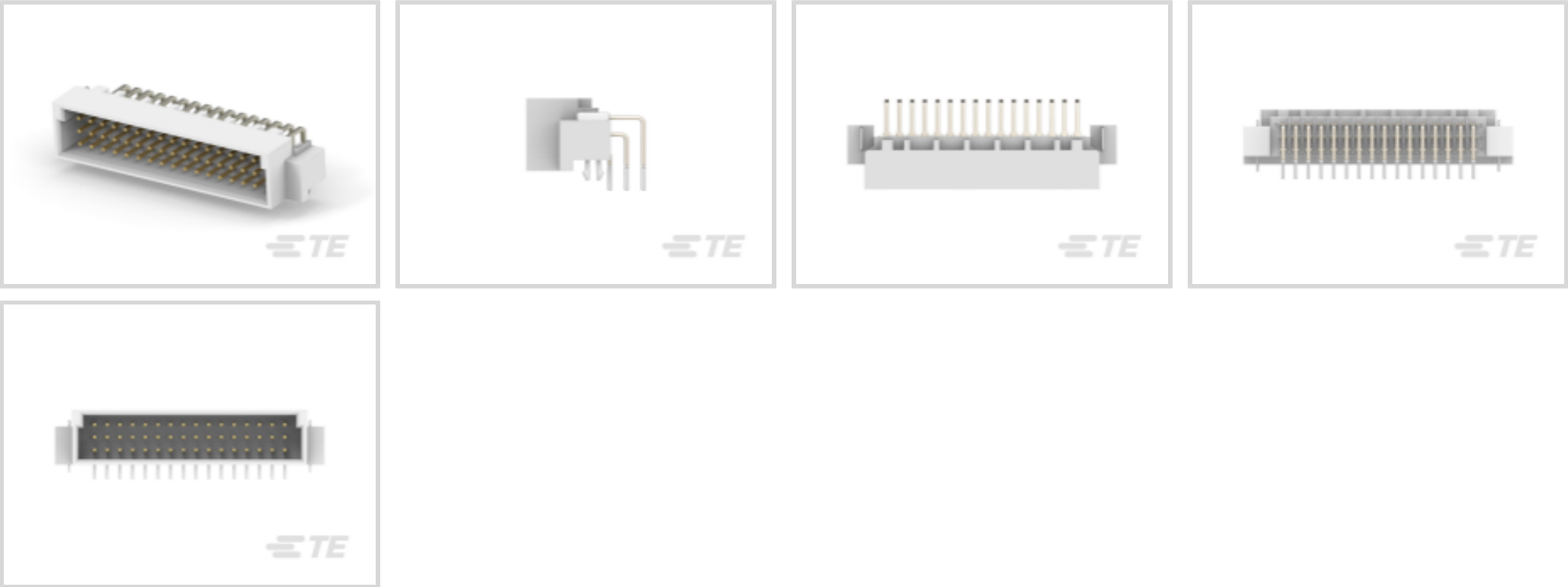


TE Internal #: 4-2271290-0

PCB Mount Header, Right Angle, Board-to-Board, 48 Position, 2.54 mm [.1 in] Centerline, Unshrouded, Gold (Au), Through Hole - Solder, Signal, Black

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

Connector System: **Board-to-Board**

Number of Positions: **48**

Number of Rows: **3**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Board-to-Board Configuration	Perpendicular
PCB Mount Orientation	Right Angle
Number of Positions	48
Number of Rows	3

Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features

--	--



Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	2 A

Termination Features

Rectangular Termination Post & Tail Thickness	2 mm
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
--------------------	----------------

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
-----------------------------	----------------------------

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

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

Packaging Features

Packaging Method	Tray
------------------	------

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 reviewed 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 # 4-2271908-0
CELLO,REC,48P,TH,V,FG,DIP3.0,-



TE Part # 8-2271084-0
CELLO,REC,48P,TH,V,FG,DIP4.57,CLIP

Customers Also Bought



TE Part #4-2271014-0
CELLO,REC,96P,TH,V,FG,DIP3.0,-



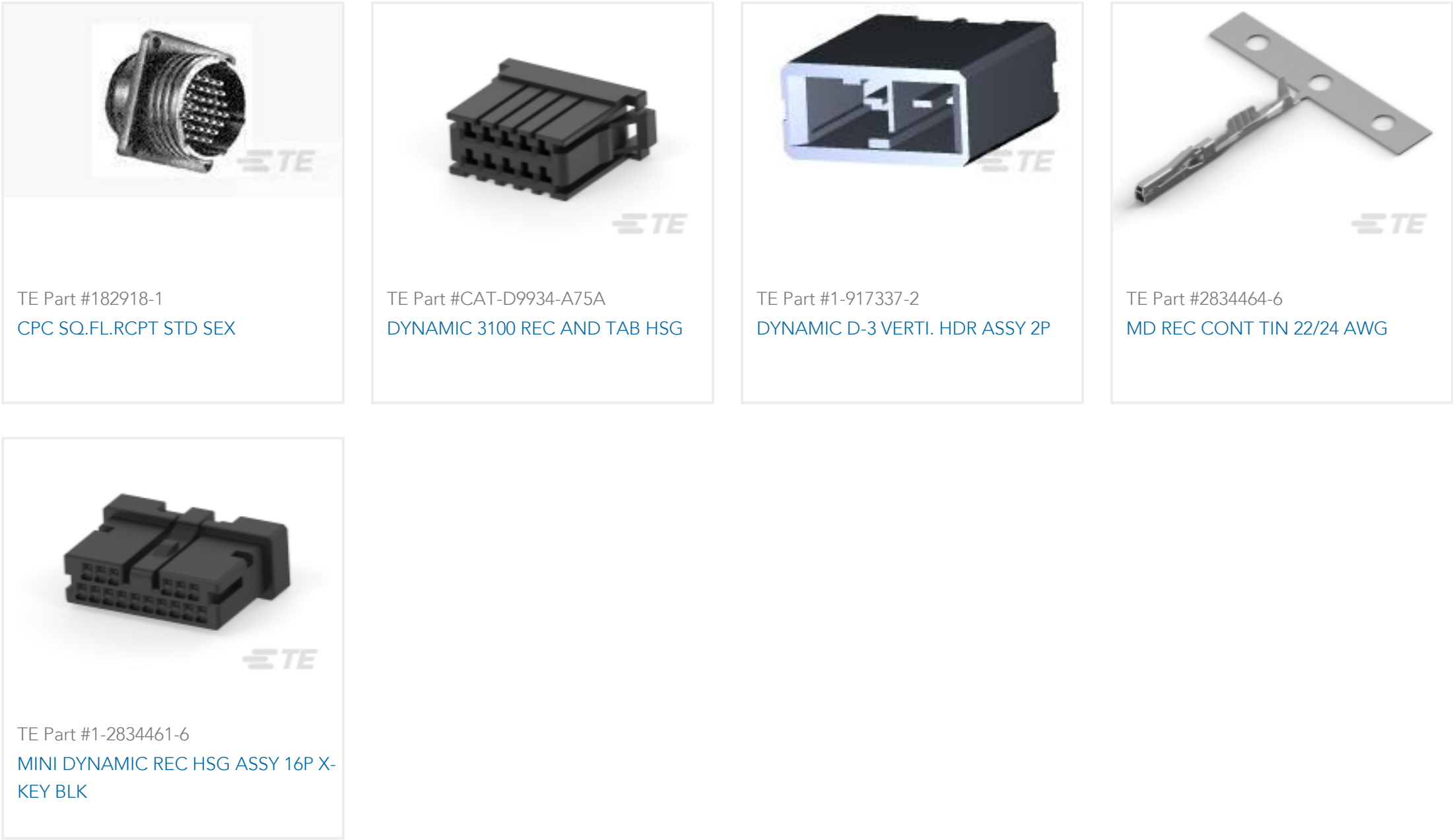
TE Part #1-2834465-6
MINI DYNAMIC HDR H 16P TIN X-KEY BLK



TE Part #796286-1
RCPT.ASSY,23-37STD SEX SQ.FLNG BLK



TE Part #1-178315-2
DYNAMIC S/ROW HDR 5P V ASSY



Documents

Product Drawings

CELLO,PIN,48P,TH,RA,FG,DIP3.0,CLIP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2271290-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2271290-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2271290-0_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Product Specification

English