8-5353189-0 ✔ ACTIVE

Free Height

TE Internal #: 8-5353189-0

PCB Mount Receptacle, Vertical, Board-to-Board, 140 Position, .6 mm [.024 in] Centerline, Gold (Au), Surface Mount, Signal, Black, Reel, Free Height

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **140**

Centerline (Pitch): **.6 mm [.024 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Stackable	Yes
Number of Positions	140
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	50 VAC
Insulation Resistance	2 MΩ
Dielectric Withstanding Voltage (Max)	200 VAC

Body Features

Primary Product Color	Black

Contact Features

PCB Contact Termination Area Plating Material Thickness	.05 µm[1.968 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.2 µm[7.87 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	.5 A

Termination Features

Rectangular Termination Post & Tail Width	.9 mm[.035 in]
Rectangular Termination Post & Tail Thickness	.15 mm[.006 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

PCB Mount Retention Type	Solder Peg
PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

Centerline (Pitch)	.6 mm[.024 in]
Housing Material	High Temperature Thermoplastic

Dimensions

Connector Height	4 mm[.157 in]
	.2 in
Stack Height	4 mm[.157 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Reel

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°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-on-reach

Compatible Parts



TE Part # 6-5353188-0
.6FHP08H,140,S,GIG,08/Sn,TR,SEYes



TE Part # 6-5316562-0
.6FHP08H,140,S,GIG,08/Sn,ST,SEYes



TE Part # 1-5316562-0
.6FHP08H,140,S,GIG,08/Sn,ST,NSYes



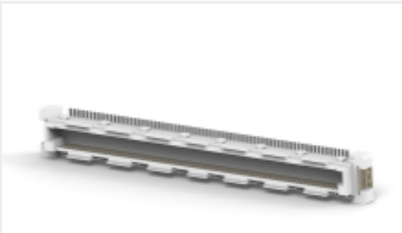
TE Part # 6-5316316-0
.6FHP08H,140,S,GIG,08/Sn,H/T



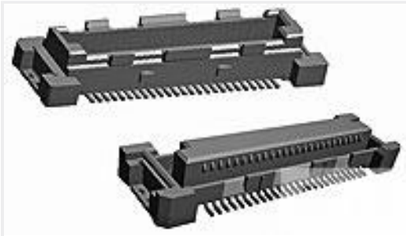
TE Part # 1-5353185-0
.6FHP06H,140,S,STD,08/Sn,TR,NSYes



TE Part # 6-5353184-0
.6FHP04H,140,S,GIG,08/Sn,TR,SEYes



TE Part # 1-5353183-0
.6FHP04H,140,S,STD,08/Sn,TR,NSYes



TE Part # 1-6123582-0
.6FHP10H,140,S,GIG,08/Sn,ST,NSYes



TE Part # 1-5316316-0
.6FHP08H,140,S,GIG,08/Sn,HT,SEYes



TE Part # 1-5316135-0
.6FHP04H,140,S,STD,08/Sn,ST,NSYes



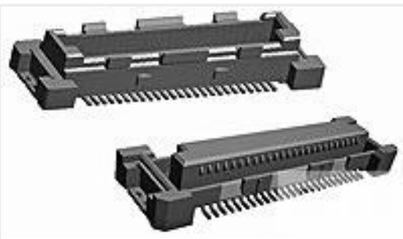
TE Part # 1-5353187-0
.6FHP08H,140,S,STD,08/Sn,TR,NSYes



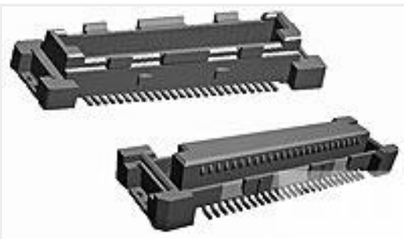
TE Part # 1-5353186-0
.6FHP06H,140,S,GIG,08/Sn,TR,NSYes



TE Part # 1-5353188-0
.6FHP08H,140,S,GIG,08/Sn,TR,NSYes

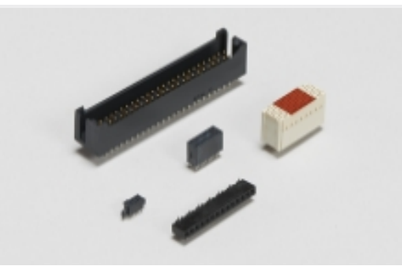


TE Part # 1-5353831-0
.6FHP07H,140,S,GIG,08/Sn,TR,NS

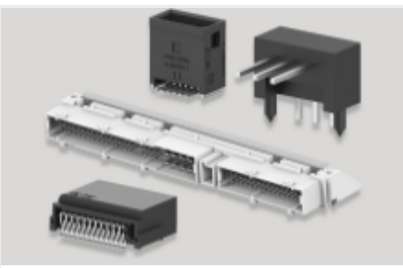


TE Part # 6473225-1
.6FHP12H,140,S,GIG,08/Sn,ST,NSYes

Also in the Series | Free Height



Board-to-Board Headers & Receptacles(737)



PCB Headers & Receptacles(737)

Customers Also Bought



TE Part #CAT-LMPH9507
Low & Medium Power Header



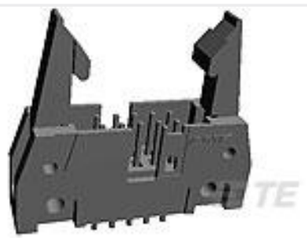
TE Part #1-1337604-0
SMB SMT Skt 50Ohm Gold Pltd



TE Part #5-2176070-9
3521 2K7 1% 2W



TE Part #4-2176091-3
RP 2A 0.25W 158R 0.1% 25PPM 1K RL



TE Part #5499206-1
A/L UNIV HDR 10P VERT LAT



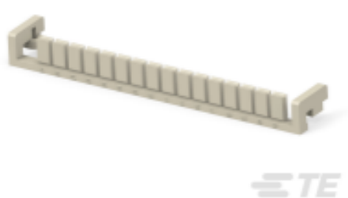
TE Part #5745395-2
HD-20 RCPT 9P RA 318 FFSCRLK



TE Part #5749263-1
Mini DIN, 4 pos, R/A, Shield



TE Part #5787834-2
STD USB TYPE B, VERTICAL, T/H, NATURAL



TE Part #083506-E
CODEZT STVCFL COLS * 172 CODIERUNG 1 083

Documents

Product Drawings

.6FHR04H,140,S,STD,08/SP,TR,SEYes

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_8-5353189-0_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_8-5353189-0_B.3d_igs.zip

English

Customer View Model

ENG_CVM_8-5353189-0_B.3d_stp.zip

English

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Product Specifications

Application Specification

English