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Part Number: [0906635142](#)
Status: **Active**
Description: 2.54mm (.100") Pitch QF-50™ Vertical, MIL Keying with Latch/Eject Levers, Shrouded Header, 14 Circuits

Documents:
[3D Model](#) [Product Specification PS-99020-0015 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

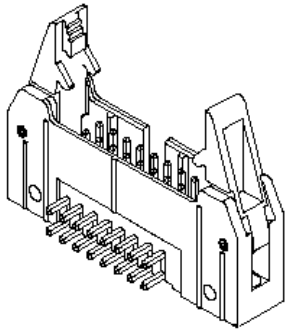
CSA LR19980
UL E29179

General

Product Family Ribbon Cable / Wire Trap Connectors
Series [90663](#)
Comments Eject Levers
Component Type PCB Header
Glow-Wire Compliant No
Product Name QF-50™

Physical

Circuits (Loaded) 14
Color - Resin Black
Durability (mating cycles max) 300
Entry Angle Vertical
Flammability 94V-0
Lock to Mating Part None
Material - Metal Brass
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin Polyester
Number of Rows 2
PCB Locator No
PCB Retention None
PCB Thickness Recommended (in) 0.063 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm
Pitch - Term. Interface (in) 0.100 In
Pitch - Term. Interface (mm) 2.54 mm
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 118
Plating min: Termination (µm) 3
Polarized to PCB No
Shrouded Fully
Stackable No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -25°C to +85°C
Termination Interface: Style Through Hole
Wire Insulation Diameter N/A
Wire Size AWG N/A
Wire/Cable Type Ribbon Cable



Series
image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[90663Series](#)

Mates With

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	250V AC/DC

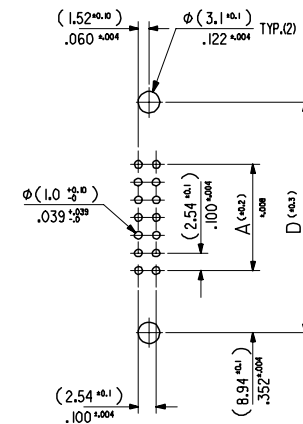
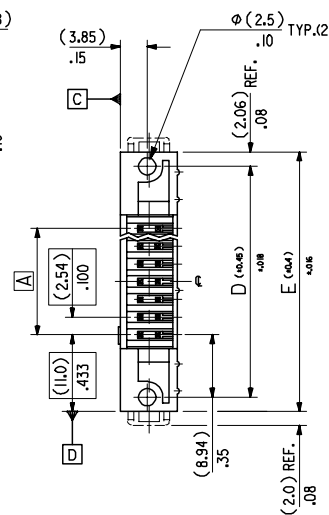
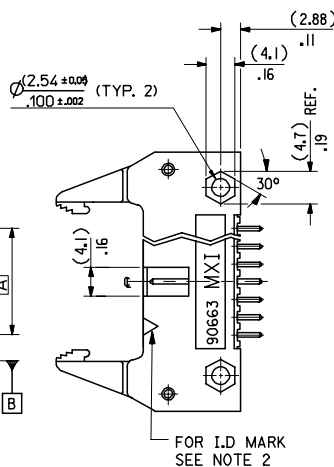
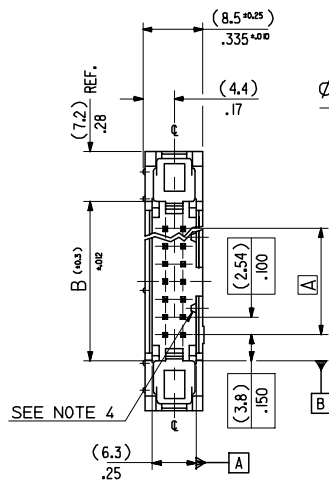
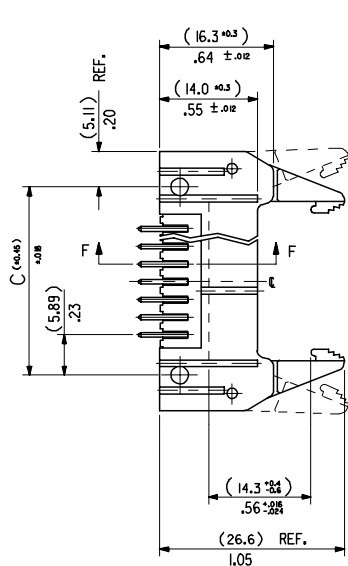
Material Info

Reference - Drawing Numbers

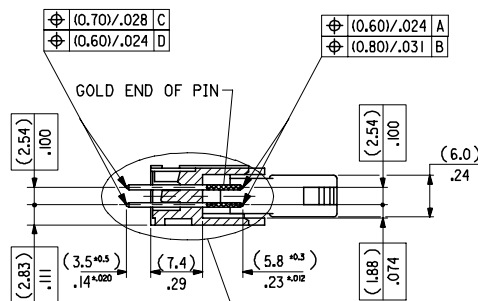
Product Specification	PS-99020-0015
Sales Drawing	SDA-90663E

This document was generated on 05/26/2010

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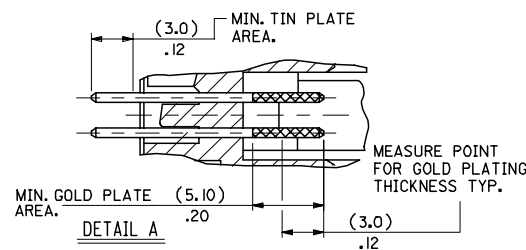


RECOMMENDED P.C.B. HOLE PATTERN.



SECTION F-F

SEE DETAIL A.



DIMENSIONS FOR SELECTIVE PLATING'S, SCALE 4:1

(78.74)/3.100	(86.34)/3.400	(90.52)/3.564	(96.62)/3.804	(100.74)/3.966	90663-5642	64
(73.66)/2.900	(81.26)/3.200	(85.44)/3.364	(91.54)/3.604	(95.66)/3.766	90663-5602	60
(60.69)/2.400	(68.56)/2.700	(72.74)/2.864	(78.84)/3.104	(82.96)/3.266	90663-5502	50
(48.26)/1.900	(55.86)/2.200	(60.04)/2.364	(66.14)/2.604	(70.26)/2.766	90663-5402	40
(40.64)/1.600	(48.24)/1.900	(52.42)/2.064	(58.52)/2.304	(62.64)/2.466	90663-5342	34
(35.56)/1.400	(43.16)/1.700	(47.34)/1.864	(53.44)/2.104	(57.56)/2.266	90663-5302	30
(30.48)/1.200	(38.08)/1.500	(42.26)/1.664	(48.36)/1.904	(52.48)/2.066	90663-5262	26
(22.86)/.900	(30.46)/1.200	(34.64)/1.364	(40.74)/1.604	(44.86)/1.766	90663-5202	20
(17.78)/.700	(25.38)/1.000	(29.56)/1.164	(35.66)/1.404	(39.78)/1.566	90663-5162	16
(15.24)/.600	(22.84)/.900	(27.02)/1.064	(33.12)/1.304	(37.24)/1.466	90663-5142	14
(10.16)/.400	(17.76)/.700	(21.94)/.864	(28.04)/1.104	(32.16)/1.266	90663-5102	10
A	B	C	D	E	ENG. NO. GS2 PLATING	NO. OF CKTS.

NOTES

- MATERIAL
HEADER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
PINS : COPPER ALLOY P SIZE (0.635)/.025 .
LEVER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
- COLOUR IDENTIFICATION MARK FOR PLATING OPTIONS.
90663-5**2, 3(1um)/.039uin MIN. NICKEL UNDERPLATE, CONTACT AREA
GS2 PLATING (0.76um)/.030uin MIN. GOLD, SOLDER AREA (3um)/.118uin MIN.
TIN. COLOUR MARK: NONE.
- PRODUCT SPECIFICATION NO.: PS-99020-0015
- THIS RIB IS NOT PRESENT ON
10 & 14 CKT PARTS
- RECOMMENDED PCB THICKNESS 1.6mm

ADDED NOTE 5
EC NO. E2008-0129
DRAWN BY: JENNEHY
CHKD: JENNEHY
APPR: EDWARDS
DATE: 2007/09/13
DATE: 2007/09/14

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .008
2 PLACES ± 0.20 ± .008
1 PLACE ± 0.20 ± ---
ANGULAR ± 2 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN
DRAWN BY: JENNEHY
DATE: 2004/05/14
CHECKED BY: JENNEHY
DATE: 2004/05/14
APPROVED BY: JENNEHY
DATE: 2004/05/14
MATERIAL NO.:
DOCUMENT NO.:
SDA-90663E

SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION
QF50 SRD HDR VT
SRF W/EXT LOCKING LATCH
W/ELV .76AU
MOLEX INCORPORATED
SHEET NO. 7 OF 9