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Part Number: [0906636142](#)
Status: **Active**
Description: 2.54mm (.100") Pitch QF-50™ Right Angle, 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

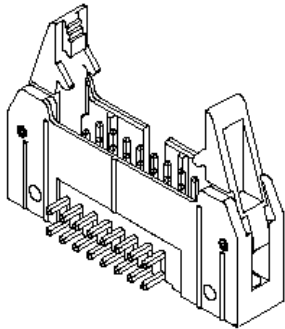
CSA	LR19980
UL	E29179

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	90° Angle
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

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)
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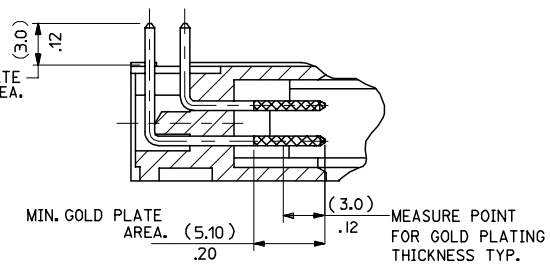
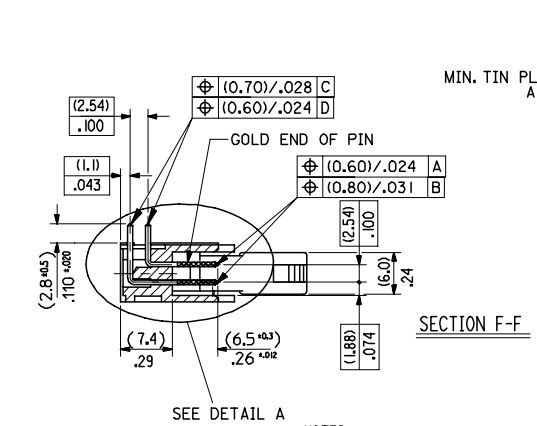
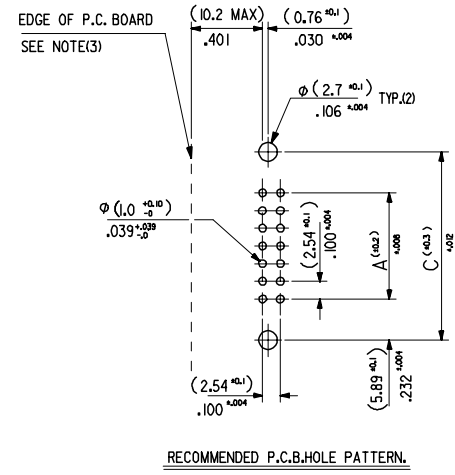
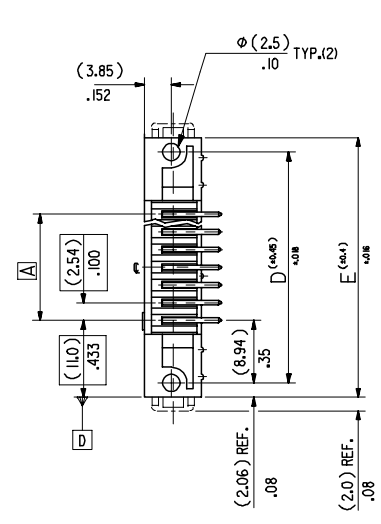
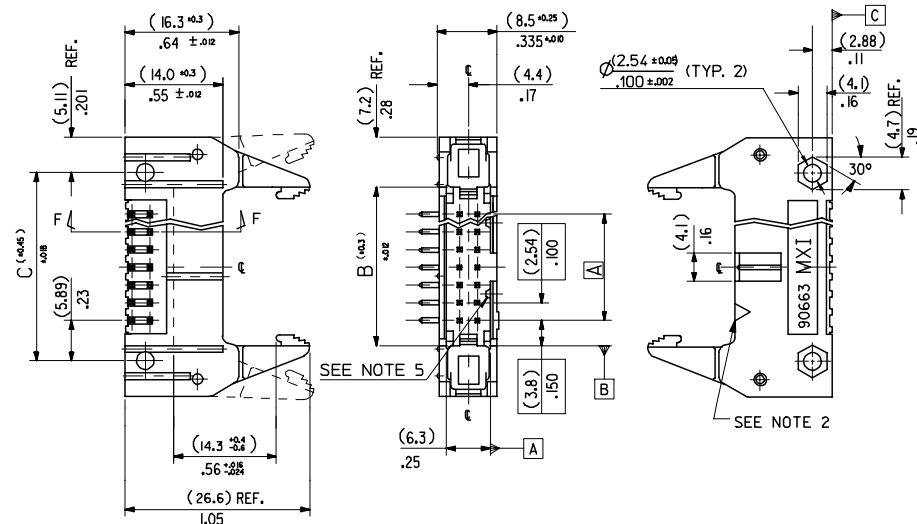
Material Info

Reference - Drawing Numbers

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

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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	90663-6642	64
(73.66)/2.900	(81.26)/3.200	(85.44)/3.364	(91.54)/3.604	(95.66)/3.766	90663-6602	60
(60.69)/2.400	(68.56)/2.700	(72.74)/2.864	(78.84)/3.104	(82.96)/3.266	90663-6502	50
(48.26)/1.900	(55.86)/2.200	(60.04)/2.364	(66.14)/2.604	(70.26)/2.766	90663-6402	40
(40.64)/1.600	(48.24)/1.900	(52.42)/2.064	(58.52)/2.304	(62.64)/2.466	90663-6342	34
(35.56)/1.400	(43.16)/1.700	(47.34)/1.864	(53.44)/2.104	(57.56)/2.266	90663-6302	30
(30.48)/1.200	(38.08)/1.500	(42.26)/1.664	(48.36)/1.904	(52.48)/2.066	90663-6262	26
(22.86)/.900	(30.46)/1.200	(34.64)/1.364	(40.74)/1.604	(44.86)/1.766	90663-6202	20
(17.78)/.700	(25.38)/1.000	(29.56)/1.164	(35.66)/1.404	(39.78)/1.566	90663-6162	16
(15.24)/.600	(22.84)/.900	(27.02)/1.064	(33.12)/1.304	(37.24)/1.466	90663-6142	14
(10.16)/.400	(17.76)/.700	(21.94)/.864	(28.04)/1.104	(32.16)/1.266	90663-6102	10
A	B	C	D	E	ENG. NO. GS2 PLATING	NO.OF CKTS.

- NOTES
- MATERIAL
HEADER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
PINS : BRASS SIZE (0.635)/.025 .
LEVER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
SPRING PINS : STEEL
 - COLOUR IDENTIFICATION MARK FOR PLATING OPTIONS.
90663-6**2, (1um)/.039uin MIN. NICKEL UNDERPLATE, CONTACT AREA
GS2 PLATING (0.76um)/.030uin MIN. GOLD, SOLDER AREA (3um)/.118uin MIN.
TIN, COLOUR MARK:NONE.
 - 10.2mm MAX.TO EDGE OF PCB FOR DAISY CHAIN APPLICATIONS.
 - PRODUCT SPECIFICATION NO.:PS-99020-0015
 - THIS RIB IS NOT PRESENT ON
10 & 14 CKT PARTS
 - RECOMMENDED PCB THICKNESS 1.6mm

ADDED NOTE 6 EC NO. E2008-0129 DRAWN BY: DRW:DBYRNES CHKD: 2007/09/13 APPR:EDMANNY 2007/09/14	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM/IN	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .008 2 PLACES ± 0.20 ± .008 1 PLACE ± 0.20 ± --- ANGULAR ± 2 °	DRAWN BY DATE JDENNEHY 2004/05/14 CHECKED BY DATE JDENNEHY 2004/05/14 APPROVED BY DATE JDENNEHY 2004/05/14 MATERIAL NO. DOCUMENT NO. SDA-90663E	TITLE QF50 SRD HDR RA SRF W/EXT LOCKING LATCH W/ELV .76AU MOLEX INCORPORATED	SHEET NO. 8 OF 9	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				