

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0906634403**
Status: **Active**
Description: 2.54mm (.100") Pitch QF-50™ Right Angle, MIL Keying with Latch/Eject Levers, Shrouded Header, 40 Circuits

Documents:

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

Agency Certification

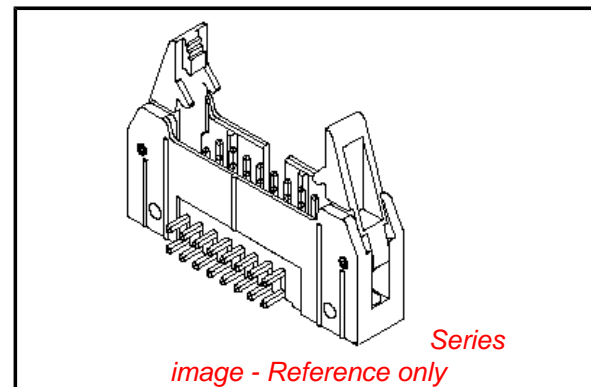
CSA LR19980
 UL E29179

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) 40
 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) 10
 Plating min: Mating (µm) 0.25
 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



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
Voltage - Maximum

1A
250V AC/DC

Solder Process Data

Lead-free Process Capability

Wave Capable (TH only)

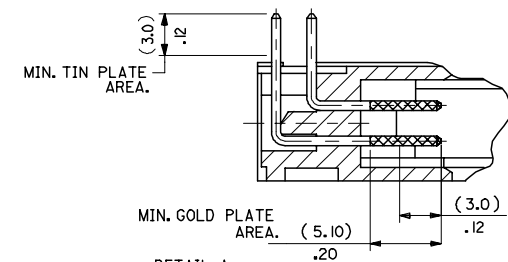
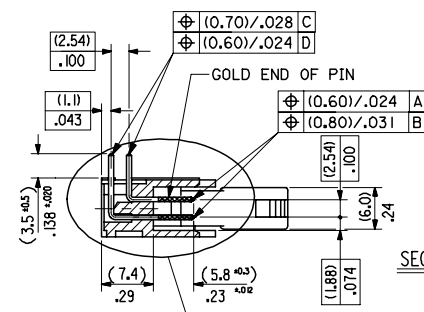
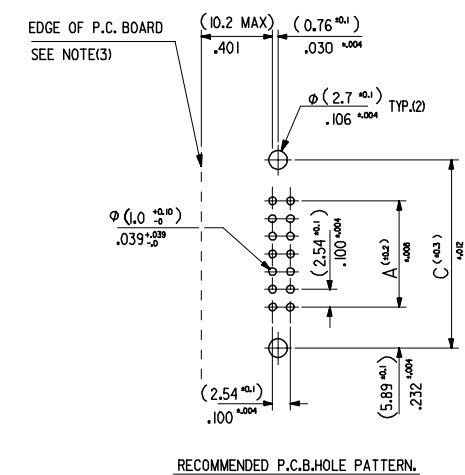
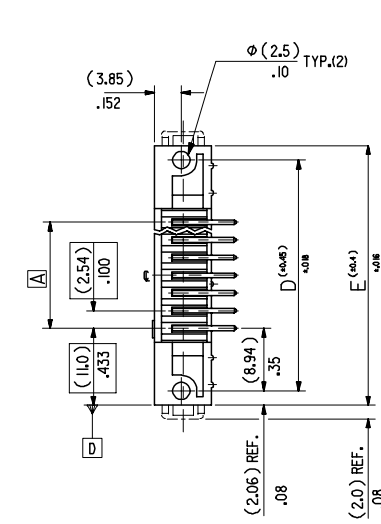
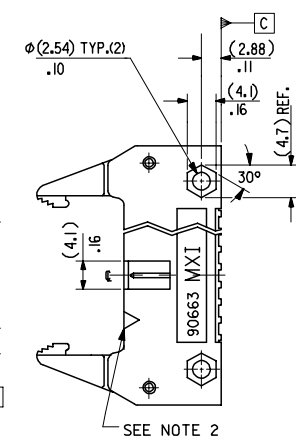
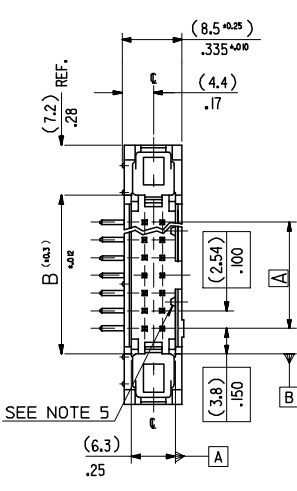
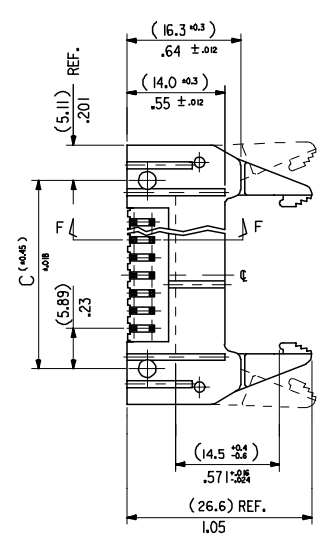
Material Info**Reference - Drawing Numbers**

Product Specification
Sales Drawing

PS-99020-0015
SDA-90663E

This document was generated on 04/13/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



DETAIL A
DIMENSIONS FOR SELECTIVE
PLATING'S, SCALE 4:1

- NOTES**
- MATERIAL**
HEADER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
PINS : BRASS SIZE \square (0.635)/.025 .
LEVER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
SPRING PINS : STEEL
 - COLOUR IDENTIFICATION MARK FOR PLATING OPTIONS.**
90663-4**3, (1um)/.039uin MIN. NICKEL UNDERPLATE. CONTACT AREA
G53 PLATING (0.25um)/.010uin MIN. GOLD. SOLDER AREA (3um)/.118uin MIN.
TIN. COLOUR MARK: BLUE.
 - 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

(60.96)/2.400	(68.56)/2.700	(72.74)/2.864	(78.84)/3.104	(82.96)/3.266	90663-4503	50
(48.26)/1.900	(55.86)/2.200	(60.04)/2.364	(66.14)/2.604	(70.26)/2.766	90663-4403	40
(17.78)/.700	(25.38)/1.000	(29.56)/1.164	(35.66)/1.404	(39.78)/1.566	90663-4163	16
(10.16)/.400	(17.76)/.700	(21.94)/.864	(28.04)/1.104	(32.16)/1.266	90663-4103	10
A	B	C	D	E	ENG. NO. G53 PLATING	NO. OF CKTS.

ADDED NOTE 6 EC NO. E2008-0129 DRAWN BY: DRW:NBIBRYNES 2007/09/13 CHKD: CHFKO 2007/09/13 APPR: EOMAHONY 2007/09/14 REV: DESCRIPTION	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .008 2 PLACES ± 0.20 ± .008 1 PLACE ± 0.20 ± --- ANGULAR ± 2 °	DIMENSION STYLE MM/IN DRAWN BY: CPHEHIR DATE: 2000/09/15 CHECKED BY: ROCONNOR DATE: 2000/09/15 APPROVED BY: MWILHITE DATE: 2000/09/15 MATERIAL NO. DOCUMENT NO.	SCALE: 2:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: QF50 SRD HDR RA SRF W/ELV .25 AU
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	MOLEX INCORPORATED	SHEET NO. 6 OF 9	