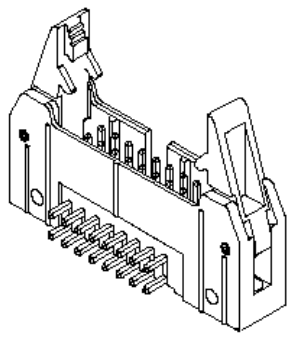
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Part Number: 0906633102
Status: Active
Description: 2.54mm (.100") Pitch QF-50™ Right Angle, MIL Keying with Latch/Eject Levers, Shrouded Header, 10 Circuits



Series image - Reference only

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Ribbon Cable / Wire Trap Connectors
Series	90663
Comments	MIL/DIN Compliance
Component Type	PCB Header
Glow-Wire Compliant	No
Product Name	QF-50™

Physical

Circuits (Loaded)	10
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 Retention	None
PCB Thickness Recommended (in)	0.062 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
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

Electrical

Current - Maximum per Contact	2.5A
Voltage - Maximum	250V AC/DC

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
90635

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)

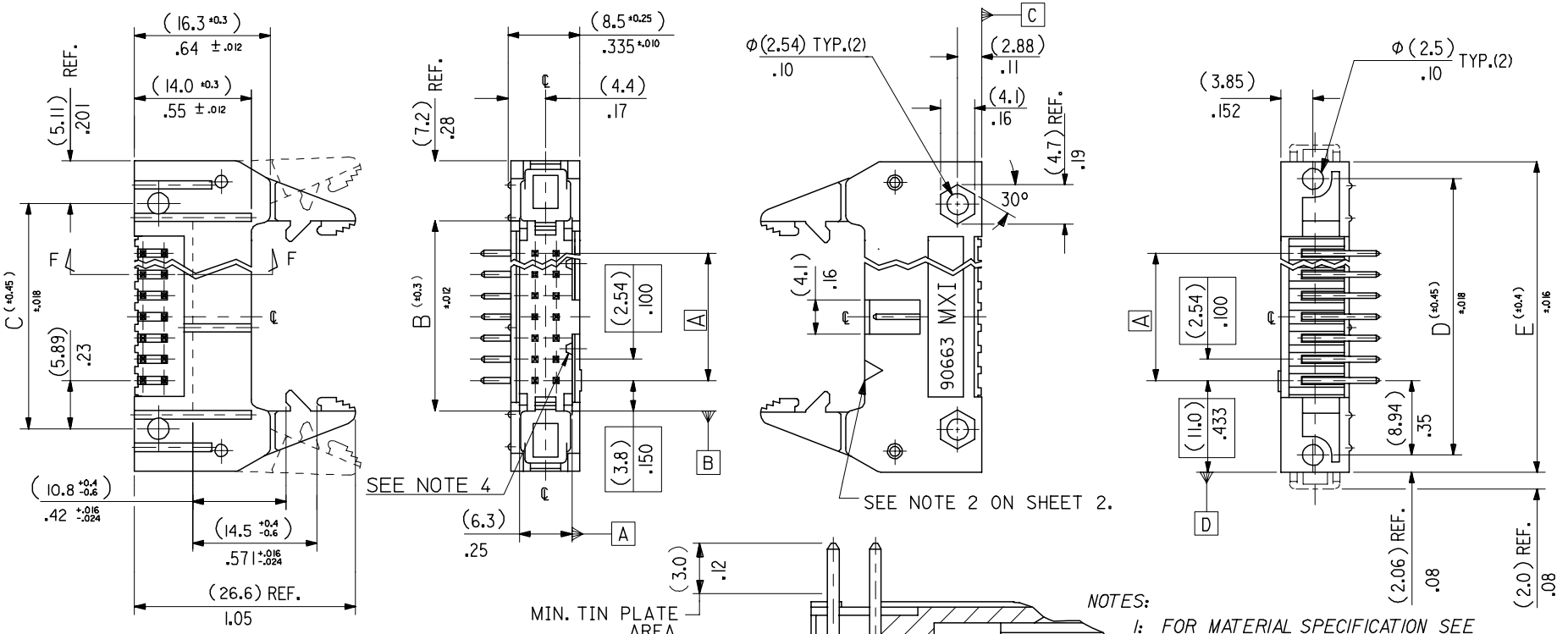
Material Info

Reference - Drawing Numbers

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

This document was generated on 03/16/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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

NOTES:

1: FOR MATERIAL SPECIFICATION SEE NOTE 1 ON SHEET 4.

2: FOR RECOMMENDED P.C.B. HOLE PATTERN, PART No's AND UNSTATED DIMENSIONS SEE SHEET 4.

3: PRODUCT SPEC.No.: PS-99020-0015.

4: THIS RIB IS NOT PRESENT ON 10 & 14 CKT PARTS

ADDED SHT 9
EC NO: E2007-0243
DRWN:DWASZKIEWI(CZ 2007/01/10
CHKD:J. DENNEHY 2007/01/22
APPR: JDENNEHY 2007/01/23
DESCRIPTION
REV

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	SCALE: 2:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION

DRAWN BY: POB	DATE: 1990/11/07
CHECKED BY: JDENNEHY	DATE: 2004/11/24
APPROVED BY: JDENNEHY	DATE: 2004/11/24
MATERIAL NO.: SEE SHEET 4	

TITLE: QF50 SRD HDR RA KEY W/ELV

MOLEX INCORPORATED

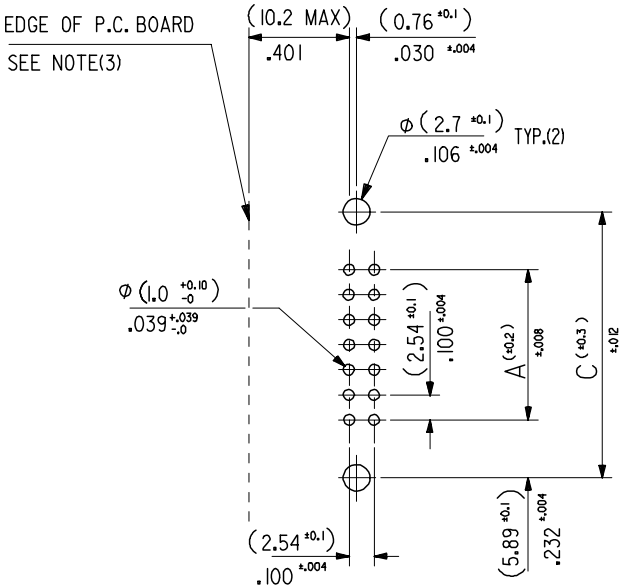
DOCUMENT NO.: SDA-90663E

SHEET NO.: 3 OF 9

SIZE: A3

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A	B	C	D	E	ENG. NO. GS1 PLATING	ENG. NO. GS2 PLATING	ENG. NO. GS3 PLATING	ENG. NO. PRE TIN	NO.OF CKTS.
(78.74)/3.100	(86.34)/3.400	(90.52)/3.564	(96.62)/3.804	(100.74)/3.966	90663-3641	90663-3642	90663-3643		64
(73.66)/2.900	(81.26)/3.200	(85.44)/3.364	(91.54)/3.604	(95.66)/3.766	-3601	-3602	-3603		60
(60.96)/2.400	(68.56)/2.700	(72.74)/2.864	(78.84)/3.104	(82.96)/3.266	-3501	-3502	-3503	90663-3509	50
(48.26)/1.900	(55.86)/2.200	(60.04)/2.364	(66.14)/2.604	(70.26)/2.766	-3401	-3402	-3403	-3409	40
(40.64)/1.600	(48.24)/1.900	(52.42)/2.064	(58.52)/2.304	(62.64)/2.466	-3341	-3342	-3343	-3349	34
(35.56)/1.400	(43.16)/1.700	(47.34)/1.864	(53.44)/2.104	(57.56)/2.266	-3301	-3302	-3303	-3309	30
(30.48)/1.200	(38.08)/1.500	(42.26)/1.664	(48.36)/1.904	(52.48)/2.066	-3261	-3262	-3263	-3269	26
(22.86)/.900	(30.46)/1.200	(34.64)/1.364	(40.74)/1.604	(44.86)/1.766	-3201	-3202	-3203	-3209	20
(17.78)/.700	(25.38)/1.000	(29.56)/1.164	(35.66)/1.404	(39.78)/1.566	-3161	-3162	-3163	-3169	16
(15.24)/.600	(22.84)/.900	(27.02)/1.064	(33.12)/1.304	(37.24)/1.466	-3141	-3142	-3143	-3149	14
(10.16)/.400	(17.76)/.700	(21.94)/.864	(28.04)/1.104	(32.16)/1.266	90663-3101	90663-3102	90663-3103	90663-3109	10



RECOMMENDED P.C.B.HOLE PATTERN.

NOTES

1. 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
2. COLOUR IDENTIFICATION MARK FOR PLATING OPTIONS.
   90663-3**1, GS1 PLATING: (1um)/.039uin MIN. NICKEL UNDERPLATE. CONTACT AREA (0.1um)/.004uin MIN. GOLD. SOLDER AREA (3um)/.118uin MIN. TIN. COLOUR MARK: YELLOW.
   90663-3**2, GS2 PLATING: (1um)/.039uin MIN. NICKEL UNDERPLATE. CONTACT AREA (0.76um)/.030uin MIN. GOLD. SOLDER AREA (3um)/.118uin MIN. TIN. COLOUR MARK: BROWN.
   90663-3**3, GS3 PLATING: (1um)/.039uin MIN. NICKEL UNDERPLATE. CONTACT AREA (0.25um)/.010uin MIN. GOLD. SOLDER AREA (3um)/.118uin MIN. TIN. COLOUR MARK: BLUE.
   90663-3**9, PRE-TIN: (0.5-1um)/.020-.040uin NICKEL UNDER (1.0-3.0um)/.039-.118uin TIN. COLOUR MARK: BLACK, (NO MARK).
3. 10.2mm MAX.TO EDGE OF PCB FOR DAISY CHAIN APPLICATIONS.
4. RECOMMENDED PCB THICKNESS 1.6mm

REV	DESCRIPTION	DRWN:DBYRNES	CHKD:	APPR:EOMAHONY
G	ADDED NOTE 4 EC NO: E2008-0129	2007/09/13	2007/09/13	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
SCALE	2:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	POB 1990/11/07
CHECKED BY / DATE	ROC 2000/10/04
APPROVED BY / DATE	MW 2000/10/04
TITLE	QF50 SRD HDR RA KEY W/ELV
	MOLEX INCORPORATED
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SDA-90663E
SHEET NO.	4 OF 9
SIZE	A3

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