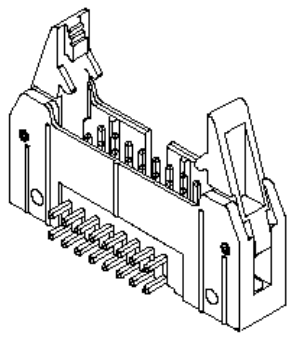
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Part Number: 0906630501
Status: Active
Description: 2.54mm (.100") Pitch QF-50™ Vertical, MIL Keying with Latch/Eject Levers, Shrouded Header, 50 Circuits



Series image - Reference only

Documents:
3D Model
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)	50
Circuits (maximum)	50
Color - Resin	Black, Natural
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)	4
Plating min: Mating (µm)	0.1
Plating min: Termination (µin)	120
Plating min: Termination (µm)	3
Polarized to Mating Part	Yes
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

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

Wire/Cable Type	Ribbon Cable

Electrical

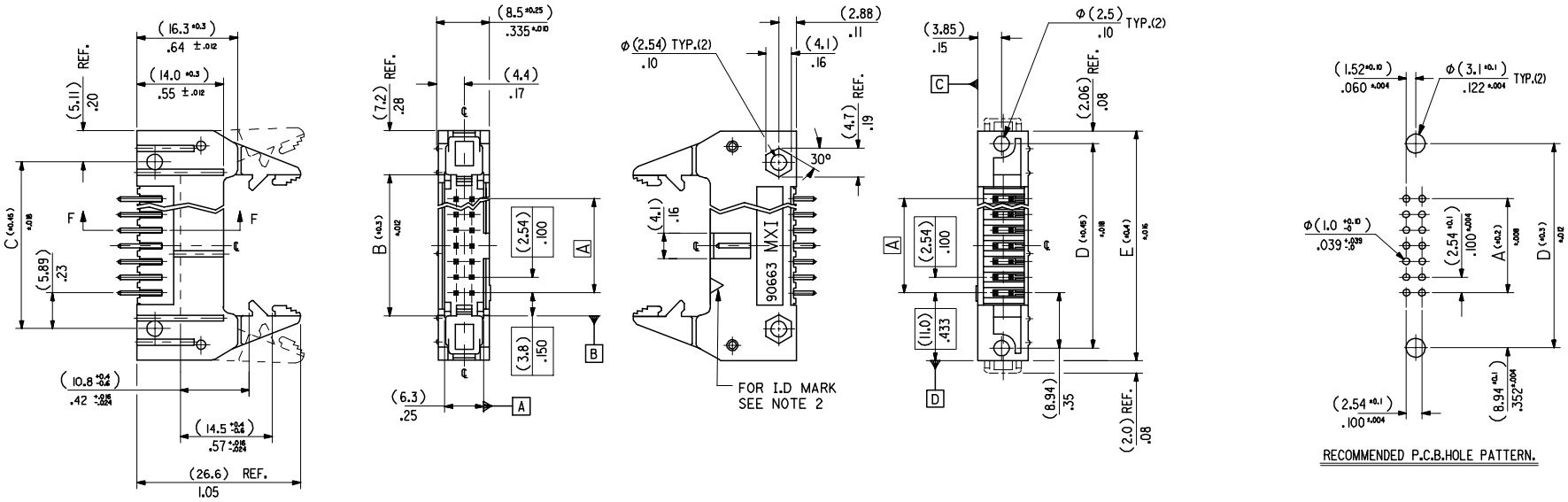
Current - Maximum per Contact	1A
Voltage - Maximum	250V AC/DC

Material Info

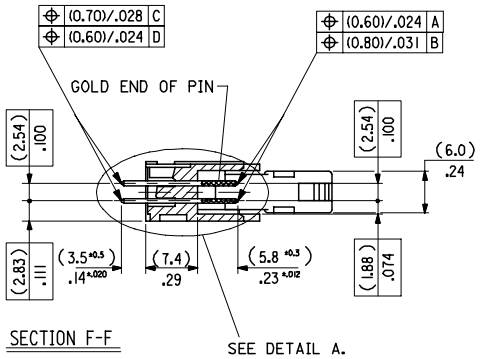
Reference - Drawing Numbers

Sales Drawing	SDA-90663E

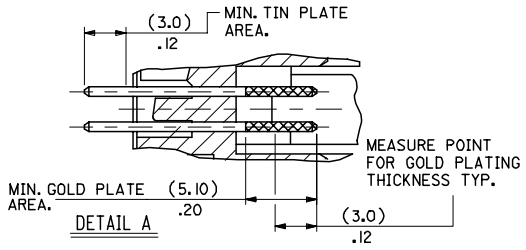
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RECOMMENDED P.C.B.HOLE PATTERN.



SECTION F-F



DETAIL A

DIMENSIONS FOR SELECTIVE PLATING'S, SCALE 4:1

A	B	C	D	E	ENG. NO. GS1 PLATING	NO.OF CKTS.
(78.74)/3.100	(86.34)/3.400	(90.52)/3.564	(96.62)/3.804	(100.74)/3.966	90663-0641	64
(73.66)/2.900	(81.26)/3.200	(85.44)/3.364	(91.54)/3.604	(95.66)/3.766	90663-0601	60
(60.69)/2.400	(68.56)/2.700	(72.74)/2.864	(78.84)/3.104	(82.96)/3.266	90663-0501	50
(48.26)/1.900	(55.86)/2.200	(60.04)/2.364	(66.14)/2.604	(70.26)/2.766	90663-0401	40
(40.64)/1.600	(48.24)/1.900	(52.42)/2.064	(58.52)/2.304	(62.64)/2.466	90663-0341	34
(35.56)/1.400	(43.16)/1.700	(47.34)/1.864	(53.44)/2.104	(57.56)/2.266	90663-0301	30
(30.48)/1.200	(38.08)/1.500	(42.26)/1.664	(48.36)/1.904	(52.48)/2.066	90663-0261	26
(22.86)/.900	(30.46)/1.200	(34.64)/1.364	(40.74)/1.604	(44.86)/1.766	90663-0201	20
(17.78)/.700	(25.38)/1.000	(29.56)/1.164	(35.66)/1.404	(39.78)/1.566	90663-0161	16
(15.24)/.600	(22.84)/.900	(27.02)/1.064	(33.12)/1.304	(37.24)/1.466	90663-0141	14
(10.16)/.400	(17.76)/.700	(21.94)/.864	(28.04)/1.104	(32.16)/1.266	90663-0101	10

NOTES

1. MATERIAL
   HEADER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - WHITE.
   PINS : COPPER ALLOY □ SIZE (0.635)/.025 .
   LEVER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
2. COLOUR IDENTIFICATION MARK FOR PLATING OPTIONS.
   90663-0**1, (1um)/.039uin MIN. NICKEL UNDERPLATE. CONTACT AREA
   GS1 PLATING (0.1um)/.004uin MIN. GOLD. SOLDER AREA (3um)/.118uin MIN.
   TIN. COLOUR MARK:YELLOW.
3. PRODUCT SPECIFICATION NO. : PS-99020-0015
4. COLOUR VARIATION MAY BE VISABLE ON THE SURFACES OF THE HEADER.
5. RECOMMENDED PCB THICKNESS 1.6mm

ADDED NOTE 5 2007/09/13
EC NO: E2008-0129 DRWN:DBYRNES 2007/09/13
CH'KD: APPR:EDMAHONY 2007/09/14
REV DESCRIPTION

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: DWASZKIEWICZ DATE: 2006/12/13
CHECKED BY: JDENNEHY DATE: 2006/12/12
APPROVED BY: JDENNEHY DATE: 2006/12/13

TITLE: QF50 SRD HDR VT W/O POL RIBS W/ELV .1AU

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-90663E
SHEET NO.: 9 OF 9
SIZE: A2

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