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Part Number: 0754775001

Status: **Active**

Overview: sfp_stacked_connectors

Description: Small Form-factor Pluggable (SFP) Stacked 2-by-6 Multi-Port Connector with Press-fit PC Tails, 240 Circuits, Lead Free

Documents:

3D Model	Product Specification PS-75310-001 (PDF)
Application Specification (PDF)	RoHS Certificate of Compliance (PDF)
Drawing (PDF)	

Series
image - Reference only

General

Product Family	I/O Connectors
Series	75477
Application	Module-to-Board
Component Type	Receptacle
Overview	sfp_stacked_connectors
Product Name	SFP
Type	N/A

Physical

|	
Boot Color	N/A
Circuits (Loaded)	240
Circuits (maximum)	240
Color - Resin	Black
Durability (mating cycles max)	100
Gender	Female
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.084 In
PC Tail Length (mm)	2.07 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface (in)	0.031 In
Pitch - Mating Interface (mm)	0.80 mm
Pitch - Term. Interface (in)	0.031 In
Pitch - Term. Interface (mm)	0.80 mm
Plating min: Mating (μin)	30.4
Plating min: Mating (μm)	0.76
Plating min: Termination (μin)	30.4
Plating min: Termination (μm)	0.76
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	12
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
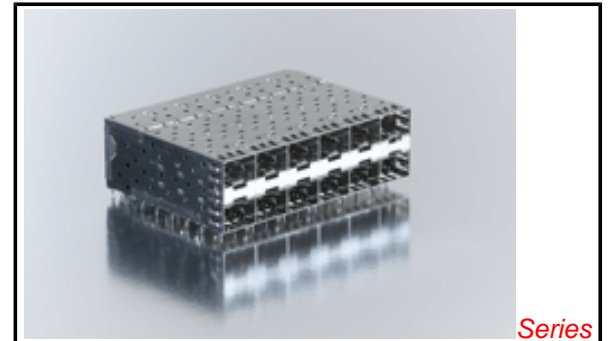
EU RoHS
ELV and RoHS Compliant
REACH SVHC Not Reviewed
Halogen-Free Status Not Reviewed

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
75477Series

Use With
0759510999 SFP Dust Plug,

Application Tooling | **FAQ**
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.
Global

Description	Product #
SFP Insertion Tool, 2 x 6	0622029925
SFP Stacked Multi-Port Extraction Tool, 2 by 6	0622029950

Waterproof / Dustproof   No

Electrical
Current - Maximum per Contact   0.5A
Shield Type   EMI Fingers
Shielded   Yes
Voltage - Maximum   120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers
Application Specification   AS-75310-001
Packaging Specification   PK-75451-001
Product Specification   PS-75310-001
Sales Drawing   SD-75477-001, SD-75477-101

ROW B
ROW A

— COLUMN 1
— COLUMN 2

SEE NOTE 4.

NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP),
   UL 94V-0, GRAY; CONTACT - COPPER ALLOY
2. FINISH: SELECT GOLD IN CONTACT AREA, 50 μ'' THICK;
   TIN/LEAD OR MATTE TIN IN COMPLIANT AREA.
3. PACKAGING PER PK-70873-578.
4. CONTACTS IN EACH ROW HAVE THE SAME WIPE LENGTH.
5. BACKPLANE ASSEMBLY MATES WITH DAUGHTERCARD POWER
   MODULE 75292-2***.
6. PART SHOWN IS 75492-1067.
7. SEE OTHER SHEETS FOR ADDITIONAL NOTES.
8. WHEN INSERTING OPEN SIGNAL MODULES NEXT TO COLUMN 1
   SIDE OF POWER MODULES, SIGNAL MODULES MUST BE
   INSERTED BEFORE THE POWERS TO AVOID INTERFERENCE
   BETWEEN THE TWO CONNECTOR HOUSINGS.
9. THESE PARTS CONFORM TO MOLEX PRODUCT SPECIFICATION
   PS-75221-999.
10. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION
    PS-45499-002 CLASS B.

5.45

16.38

2.50

2.4

SEE NOTE 8.

2.91

(1.38)

(1.22)

5.20

1.83

13.66

2.60
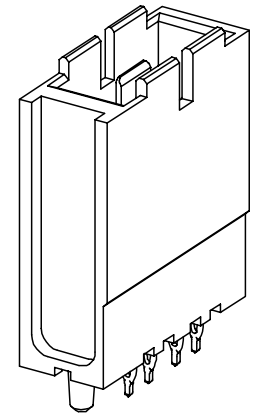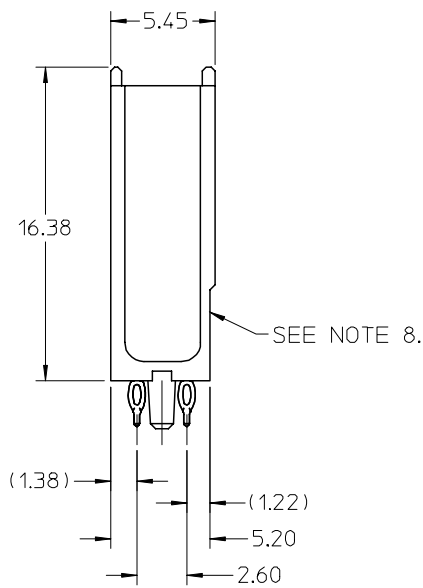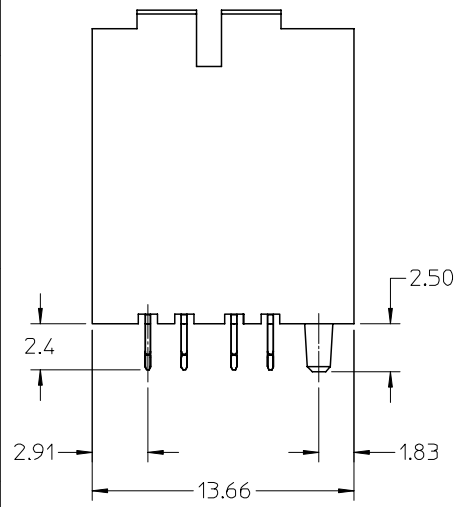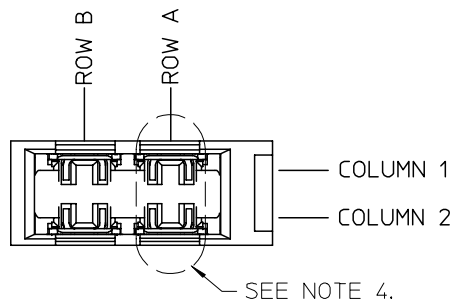
1-UP ASSEMBLY PART NUMBER

7 5 4 9 2 - 1 0 A B

- TIN/LEAD PLATED PRODUCT -
FOR EACH ROW LOCATION A, B:
  4 = 4.5 mm
  6 = 6.0 mm
  7 = 7.5 mm
- LEAD-FREE PLATED PRODUCT -
FOR EACH ROW LOCATION A, B:
  2 = 4.5 mm
  3 = 6.0 mm
  5 = 7.5 mm

SEE SHEET 4 FOR HOLE PATTERN LAYOUT

ADDED NOTES 9 & 10
EC NO: UCP2008-0426
DRWN:CSTEWART   2007/08/29
CHKD:JBINGHAM   2007/08/30
APPR:JBINGHAM   2007/08/31
REV   DESCRIPTION

QUALITY
SYMBOLS

▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	⊚ ◁ THIRD ANGLE PROJECTION
	mm	INCH	DRAWN BY ELO	DATE 2005/07/01	TITLE	
4 PLACES	±---	±---			GBX 2 PAIR	
3 PLACES	±---	±---	CHECKED BY ELO	DATE 2005/07/01	BACKPLANE POWER	
2 PLACES	±---	±---			SALES ASSEMBLY	
1 PLACE	±---	±---	APPROVED BY BIXLER	DATE 2005/07/06	molex MOLEX INCORPORATED	
ANGULAR ± 5°						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART	DOCUMENT NO. SD-75492-001		SHEET NO. 1 OF 4
			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

SEE NOTE 4.

COLUMN 1

COLUMN 2

COLUMN 3

COLUMN 4

2-UP ASSEMBLY PART NUMBER

75492-20AB

- TIN/LEAD PLATED PRODUCT -
FOR EACH ROW LOCATION A, B:
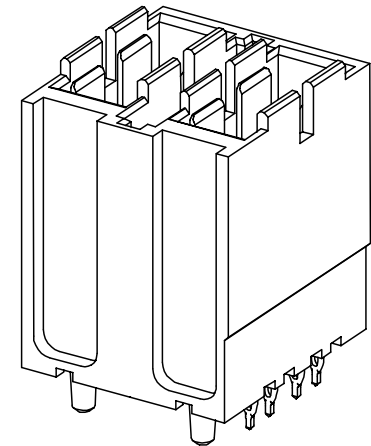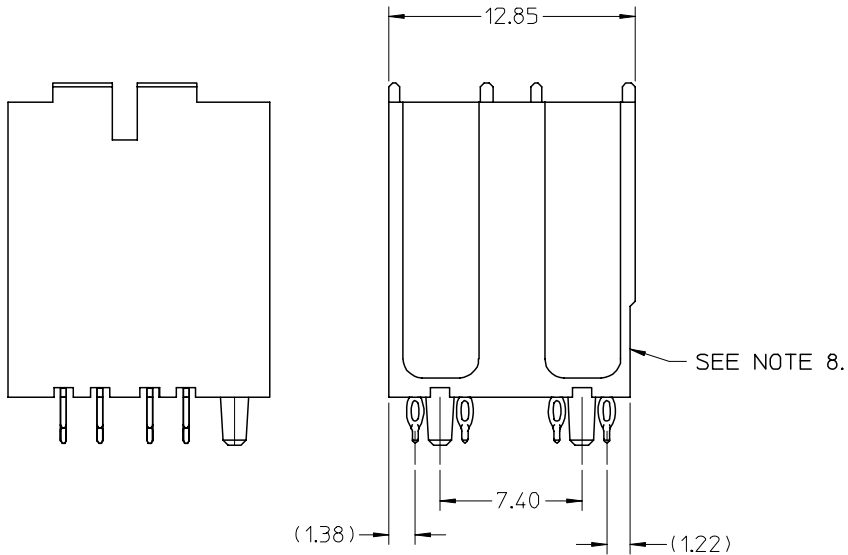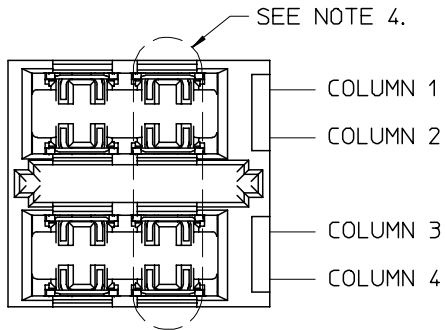 4 = 4.5 mm
  6 = 6.0 mm
  7 = 7.5 mm
- LEAD-FREE PLATED PRODUCT -
FOR EACH ROW LOCATION A, B:
  2 = 4.5 mm
  3 = 6.0 mm
  5 = 7.5 mm

12.85

SEE NOTE 8.

7.40

(1.38)

(1.22)

SEE SHEET 1 FOR ADDITIONAL INFORMATION
CHECK WITH PRODUCT MANAGER FOR AVAILABILITY

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	◎ ◁ THIRD ANGLE PROJECTION
▼=0		mm	INCH	DRAWN BY ELO	DATE 2005/07/01	TITLE	GBX 2 PAIR
	4 PLACES	± ---	± ---				BACKPLANE POWER
▽=0	3 PLACES	± ---	± ---	CHECKED BY ELO	DATE 2005/07/01		SALES ASSEMBLY
	2 PLACES	± ---	± ---				
	1 PLACE	± ---	± ---	APPROVED BY BIXLER	DATE 2005/07/06	molex	MOLEX INCORPORATED
	ANGULAR ± 5°						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-75492-001		SHEET NO. 2 OF 4
			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

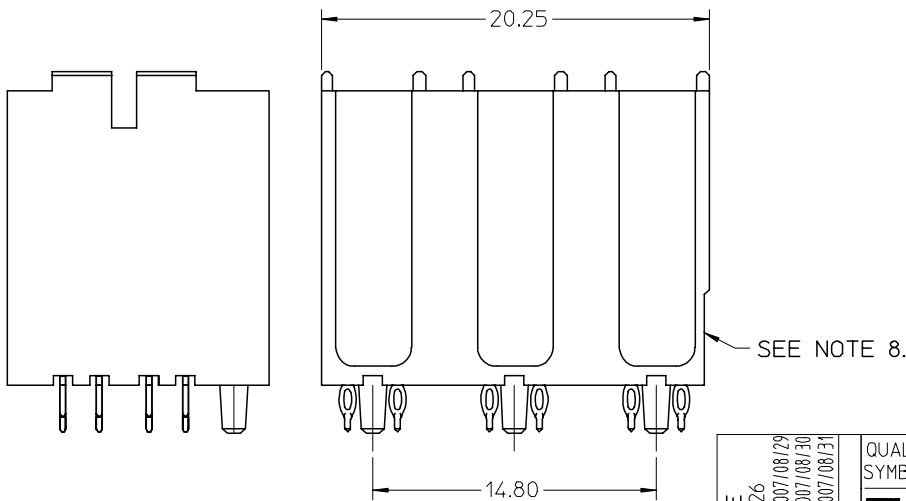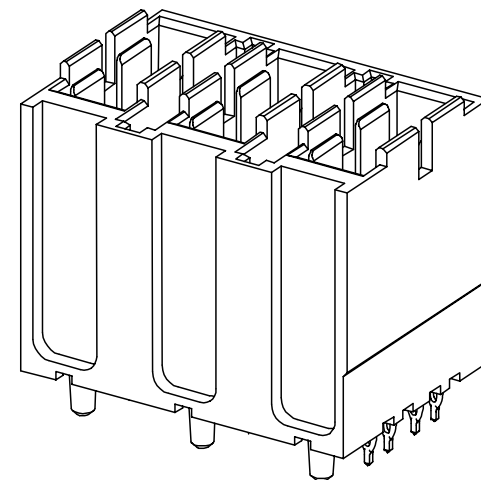tb_frame_B_P_AM_T
Rev. E 2006/04/15

SEE NOTE 4.

COLUMN 1

COLUMN 2

COLUMN 3

COLUMN 4

COLUMN 5

COLUMN 6

3-UP ASSEMBLY PART NUMBER

7 5 4 9 2 - 3 0 A B

- TIN/LEAD PLATED PRODUCT -
FOR EACH ROW LOCATION A, B:
4 = 4.5 mm
6 = 6.0 mm
7 = 7.5 mm
- LEAD-FREE PLATED PRODUCT -
FOR EACH ROW LOCATION A, B:
2 = 4.5 mm
3 = 6.0 mm
5 = 7.5 mm

20.25

SEE NOTE 8.

14.80

SEE SHEET 1 FOR ADDITIONAL INFORMATION
CHECK WITH PRODUCT MANAGER FOR AVAILABILITY

QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	◎ ◁ THIRD ANGLE PROJECTION
▼=0			mm	INCH	DRAWN BY ELO	DATE 2005/07/01	TITLE		
		4 PLACES	± ---	± ---				GBX 2 PAIR BACKPLANE POWER SALES ASSEMBLY	
		3 PLACES	± ---	± ---	CHECKED BY	DATE			
▽=0		2 PLACES	± ---	± ---	ELO	2005/07/01			
		1 PLACE	± ---	± ---	APPROVED BY	DATE			
		ANGULAR ± 5°			BIXLER	2005/07/06	molex	MOLEX INCORPORATED	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

MATERIAL NO. SEE CHART

DOCUMENT NO. SD-75492-001

SHEET NO. 3 OF 4

SIZE B THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
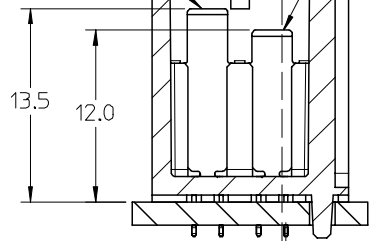
HOLE PATTERN FOR 1-UP ASSEMBLY

1.) ADD 7.40 FROM CENTERLINES OF PEG FOR MULTIPLE UP ASSEMBLIES
2.) USE 5.55 FROM CENTERLINE TO CENTERLINE OF PEG
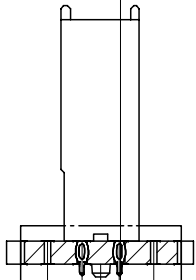FOR INDIVIDUAL POWER MODULES STACKED NEXT
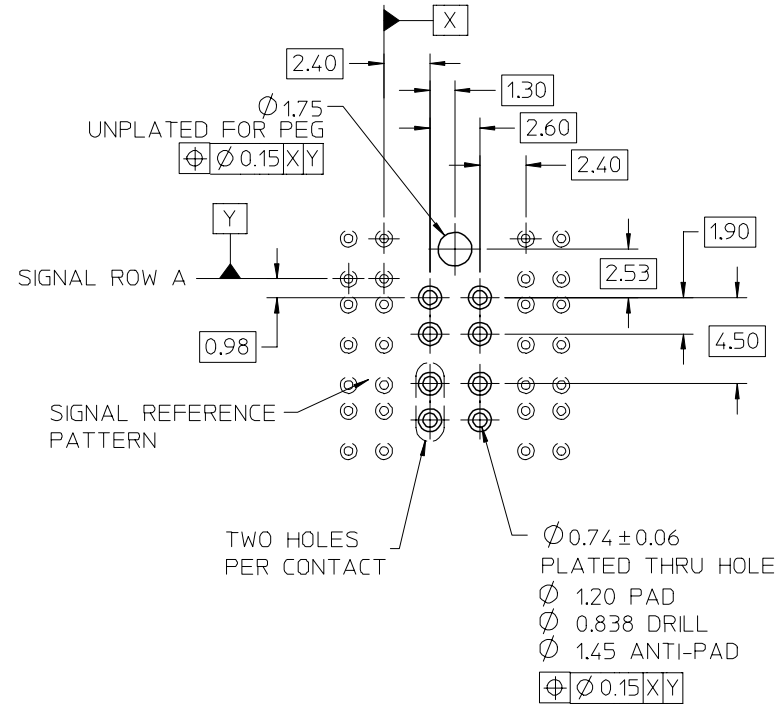TO EACH OTHER.

SEE NOTE 5.

X

2.40

1.30

Ø 1.75

2.60

UNPLATED FOR PEG

2.40

⊕ Ø 0.15 X Y

Y

1.90

SIGNAL ROW A

2.53

0.98

4.50

SIGNAL REFERENCE
PATTERN

TWO HOLES
PER CONTACT

Ø 0.74 ± 0.06
PLATED THRU HOLE
Ø 1.20 PAD
Ø 0.838 DRILL
Ø 1.45 ANTI-PAD

⊕ Ø 0.15 X Y

7.5 mm WIPE

6.0 mm WIPE

13.5   12.0

SEE NOTE 6.

0.27
DC BOARD EDGE TO
CENTERLINE OF BP TAIL

0.06

QUALITY SYMBOLS	▼=0	
	▽=0	

GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	◎ ◁ THIRD ANGLE PROJECTION
	mm	INCH	DRAWN BY ELO	DATE 2005/07/01	TITLE		
4 PLACES	± ---	± ---				GBX 2 PAIR	
3 PLACES	± ---	± ---	CHECKED BY ELO	DATE 2005/07/01		BACKPLANE POWER	
2 PLACES	± ---	± ---				SALES ASSEMBLY	
1 PLACE	± ---	± ---	APPROVED BY BIXLER	DATE 2005/07/06	molex	MOLEX INCORPORATED	
ANGULAR ± 5°							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE PREVIOUS		DOCUMENT NO. SD-75492-001		SHEET NO. 4 OF 4
			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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Rev. E 2006/04/15