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Part Number: [0746421002](#)
Status: **Active**
Overview: [ganged_rf](#)
Description: 6.25mm (.246") Pitch Ganged RF Receptacle, Right Angle, 4 Circuits

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-74854-001 \(PDF\)](#)

Agency Certification

CSA LR19980
UL E107635

General

Product Family Backplane Connectors
Series [74642](#)
Application Daughtercard
Comments Ports Numbered 2 and 8 Loaded
Component Type PCB Receptacle
Overview [ganged_rf](#)
Product Name Ganged RF
Style N/A

Physical

Circuits (Loaded) 4
Circuits (maximum) 6
Color - Resin Natural
Durability (mating cycles max) 500
First Mate / Last Break No
Flammability 94V-0
Guide to Mating Part No
Keying to Mating Part None
Material - Metal High Performance Alloy (HPA)
Material - Resin High Temperature Thermoplastic
Number of Columns 3
Number of Pairs N/A
Number of Rows 2
Orientation Right Angle
PC Tail Length (in) 0.093 In
PC Tail Length (mm) 2.36 mm
PCB Locator Yes
PCB Retention None
PCB Thickness Recommended (in) 0.125 In
PCB Thickness Recommended (mm) 3.20 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.246 In
Pitch - Mating Interface (mm) 6.25 mm
Polarized to PCB Yes
Stackable Yes
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact 1A
Data Rate 3.0 Gbps

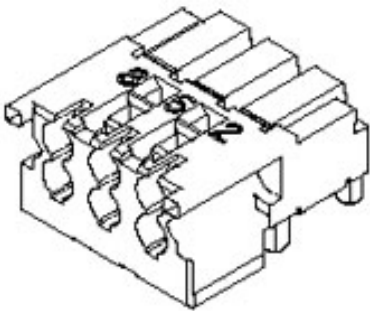


image - Reference only

Series

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Halogen-Free

China RoHS



Pb

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
[74642Series](#)

Mates With
[74712](#) Ganged RF Header

Shielded
Voltage - Maximum

No
50V AC

Material Info

Reference - Drawing Numbers

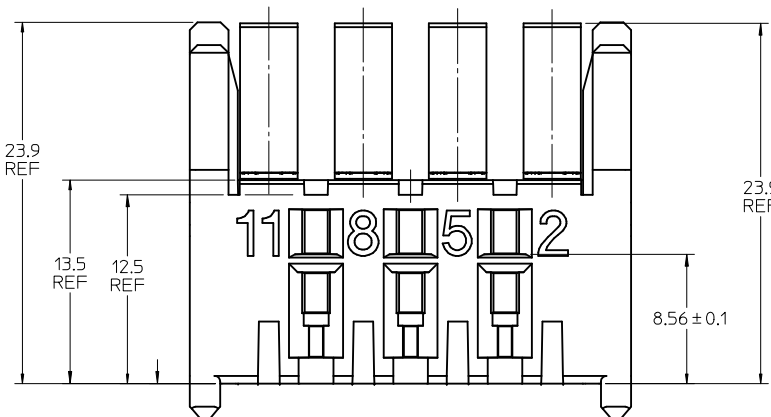
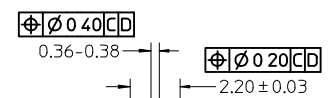
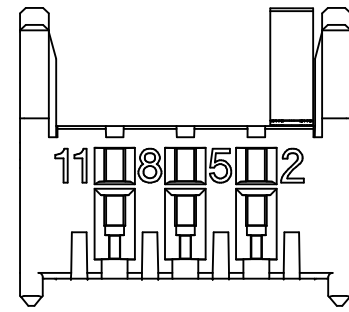
Packaging Specification
Product Specification
Sales Drawing

PK-74642-001
PS-74854-001
SD-74642-001

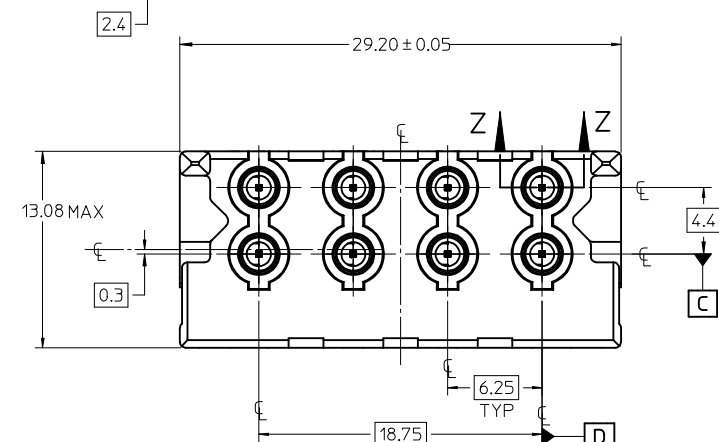
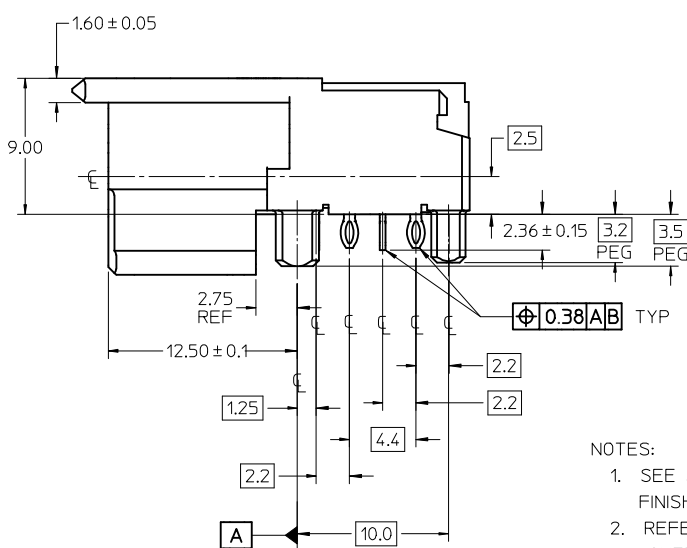
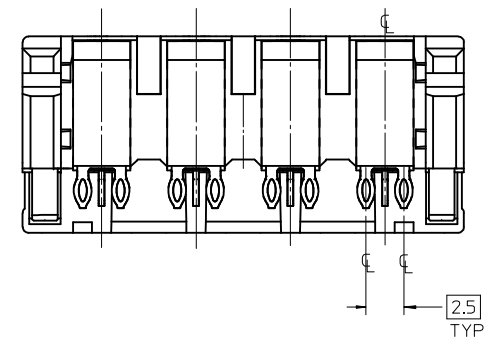
This document was generated on 05/15/2010

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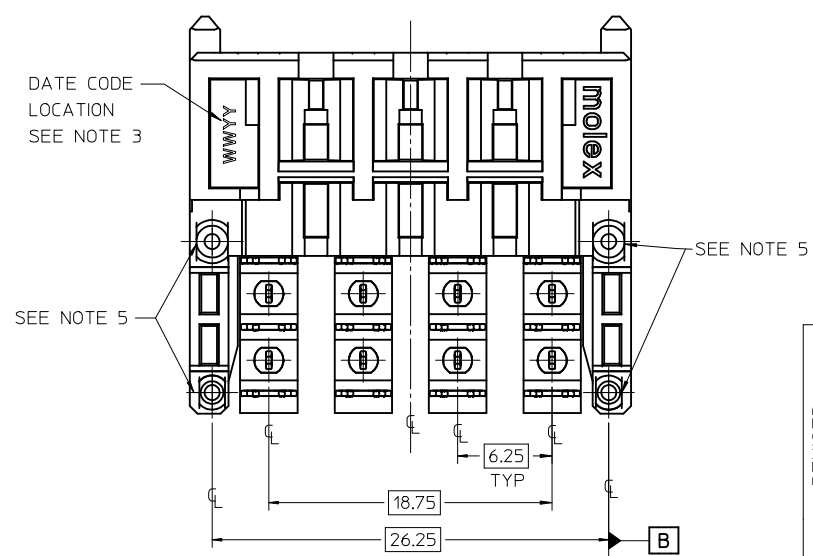
MATERIAL NO.	74642
TERMINAL LOADING BY POSITION	
74642-0001	2, 5, 8, 11
74642-0002	2



4 TERMINAL BAY ASSEMBLY
POSITION 2 LOADED ONLY
MATERIAL NO. 74642-0002

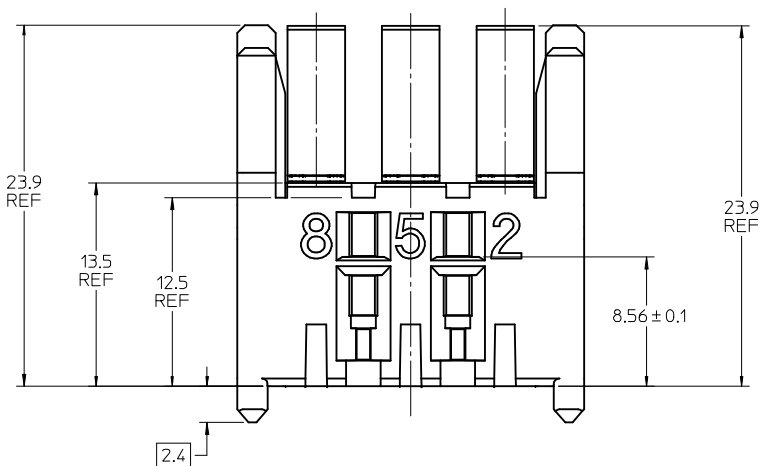
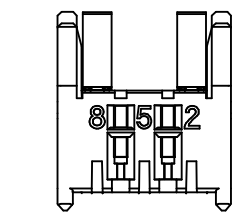


- NOTES:
- SEE SHEET 4 FOR ALL NOTES PERTAINING TO MATERIAL, FINISH, PRODUCT SPECIFICATIONS AND PACKAGING.
 - REFER TO SHEET 2 FOR THE 3 TERMINAL BAY ASSEMBLY, SHEET 3 FOR THE 5 TERMINAL BAY ASSEMBLY AND SHEET 4 THEIR RELATED MATERIAL NUMBERS
 - DATE CODE TO BE LASER MARKED ON BOTTOM OF ASSEMBLY IN THE RECESSED POCKET LOCATION SHOWN.

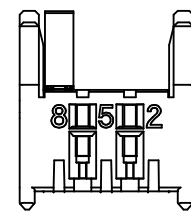


4 TERMINAL BAY ASSEMBLY
POSITION 2,5,8,11 SHOWN
MATERIAL NO. 74642-0001

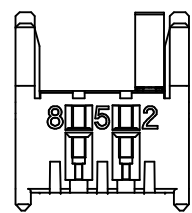
REVISED EC NO: UCP2009-0995 DRWN: JMENDOZA 2008/10/21 CHKD: 2008/10/21 APPR: JBINGHAM 2008/10/21 J2	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
		 - 0  - 0			DIMENSION STYLE MM ONLY		TITLE SALES DRAWING FOR R/A GANGED RF CONNECTOR ASSEMBLIES			
			4 PLACES	± ---	± ---	DRAWN BY				
			3 PLACES	± ---	± ---	J. LONG	01-02-08			
			2 PLACES	± 0.13	± ---	CHECKED BY	DATE			
			1 PLACE	± 0.25	± ---	J. LONG	01-02-08			
		ANGULAR ± 2 °		APPROVED BY		DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
DRAFT WHERE APPLICABLE		REGNIER		01-03-20	SEE CHART	SD-74642-001	1 OF 4			
MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



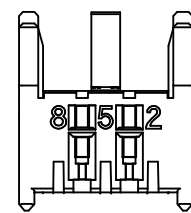
3 TERMINAL BAY ASSEMBLY
POSITIONS 2 & 8 LOADED
MATERIAL NO. 74642-1002



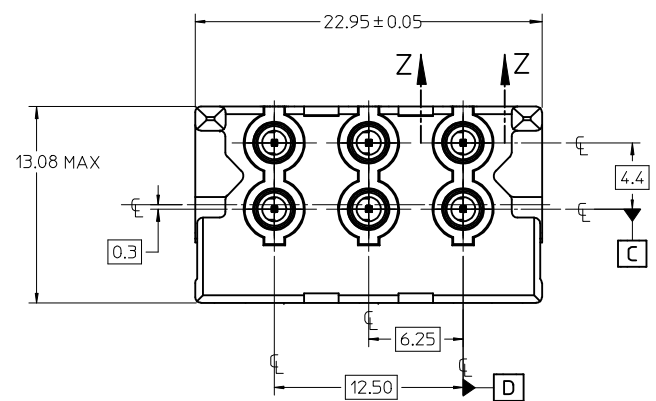
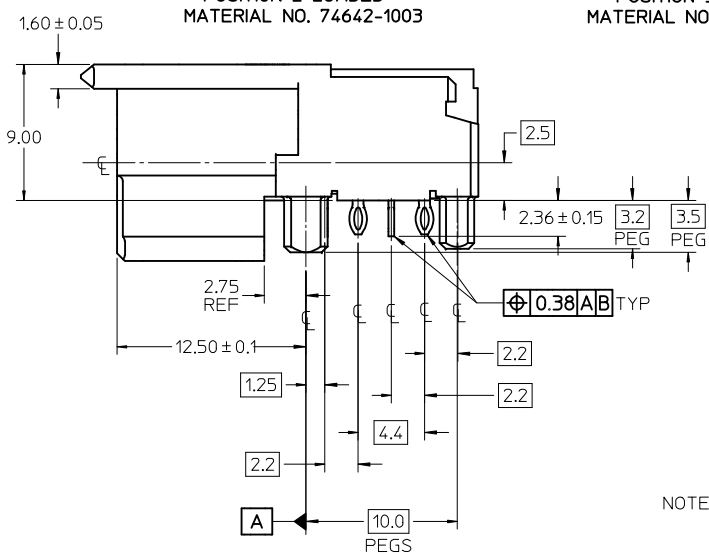
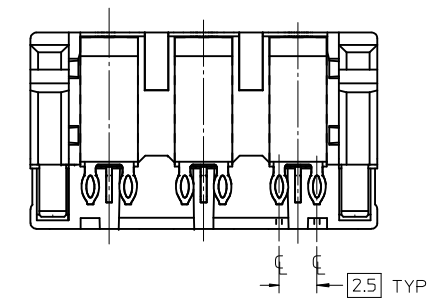
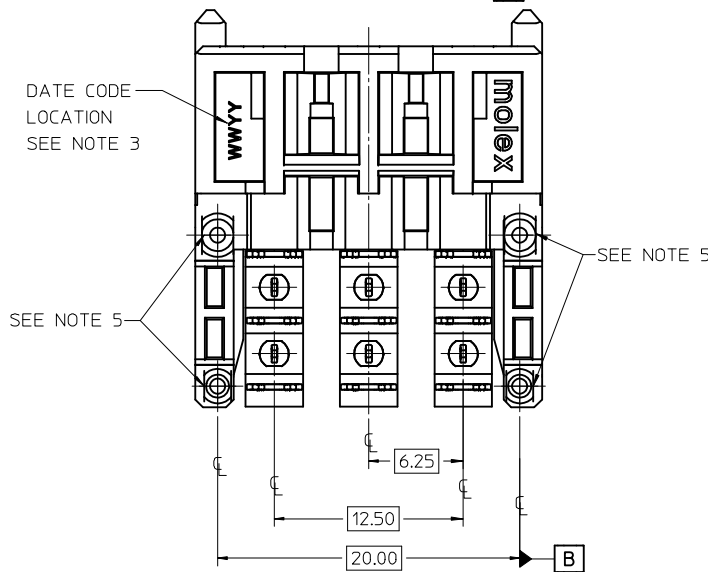
3 TERMINAL BAY ASSEMBLY
POSITION 8 LOADED
MATERIAL NO. 74642-1004



3 TERMINAL BAY ASSEMBLY
POSITION 2 LOADED
MATERIAL NO. 74642-1003



3 TERMINAL BAY ASSEMBLY
POSITION 5 LOADED
MATERIAL NO. 74642-1005

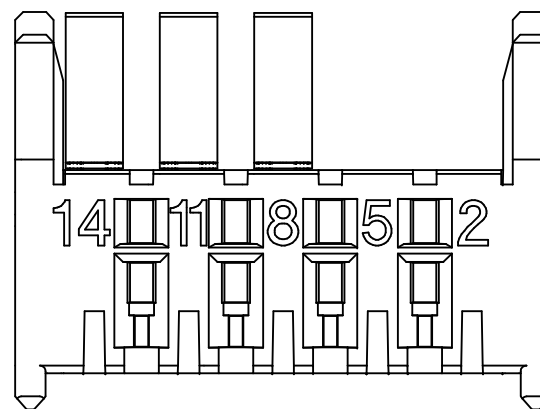
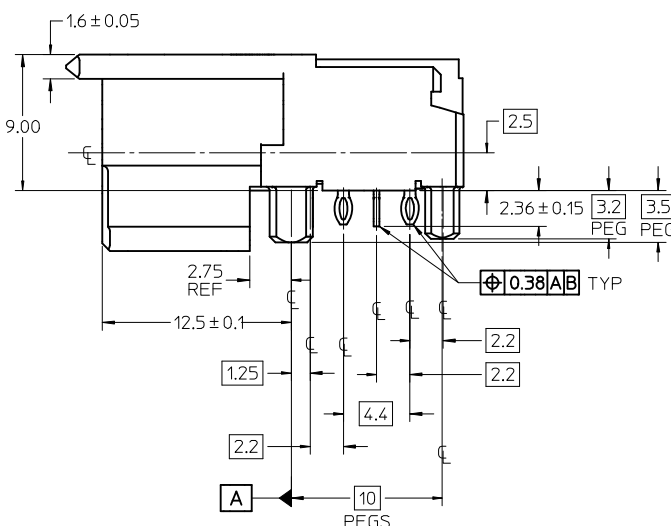
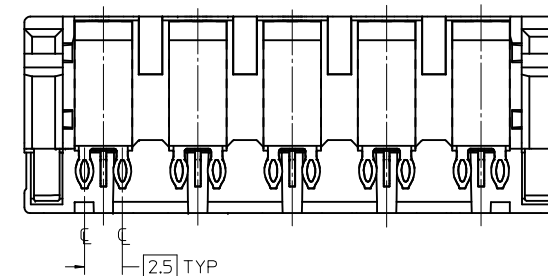


3 TERMINAL BAY ASSEMBLY
POSITION 2,5,8 SHOWN
MATERIAL NO. 74642-1001

NOTE: REFER TO SHEET 1 FOR ALL DIMENSIONS,
SECTION VIEW AND NOTES NOT SHOWN.

MATERIAL NO.	TERMINAL LOADING BY POSITION
74642-1001	2, 5, 8
74642-1002	2, 8
74642-1003	2
74642-1004	8
74642-1005	5

SEE SHEET 1 EC NO: UCP2009-0995 DRWN: JMENDOZA 2008/10/21 CHKD: 2008/10/21 APPR: BINGHAM 2008/10/21 J2	DESCRIPTION	QUALITY SYMBOLS <div>▽ - 0</div> <div>▽ - 0</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
				mm	INCH	DIMENSION STYLE MM ONLY		TITLE SALES DRAWING FOR R/A GANGED RF CONNECTOR ASSEMBLIES <div>MOLEX</div> MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	DRAWN BY J. LONG	DATE 01-02-08			
			3 PLACES	± ---	± ---	CHECKED BY J. LONG	DATE 01-02-08			
			2 PLACES	± 0.13	± ---	APPROVED BY REGNIER	DATE 01-03-20			
	1 PLACE	± 0.25	± ---							
	ANGULAR ± 2 °									
	DRAFT WHERE APPLICABLE									
	MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			C			



DATE CODE LOCATION
SEE NOTE 3

SEE NOTE 5

25.00

32.50

6.25
TYP

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SEE SHEET 1 EC NO: UCP2009-0995 DRWN: JMENDOZA 2008/10/21 CHKD: 2008/10/21 APPR: J.BINGHAM 2008/10/21	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
		 - 0  - 0	mm	INCH	DIMENSION STYLE MM ONLY		TITLE SALES DRAWING FOR R/A GANGED RF CONNECTOR ASSEMBLIES			
			4 PLACES ± ---	± ---	DRAWN BY DATE					
			3 PLACES ± ---	± ---	J. LONG 01-02-08					
			2 PLACES ± 0.13	± ---	CHECKED BY DATE					
1 PLACE ± 0.25	± ---	J. LONG 01-02-08		 MOLEX INCORPORATED		MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
ANGULAR ± 2 °		APPROVED BY DATE				SEE CHART		SD-74642-001	3 OF 4	
DRAFT WHERE APPLICABLE		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

