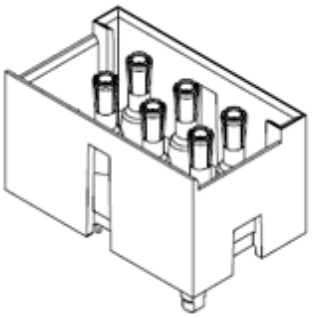
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This document was generated on 05/15/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0747121004
Status: Active
Overview: ganged_rf
Description: 6.25mm (.246") Pitch Ganged RF Header, Vertical, 2 Circuits



Series image - Reference only

Documents:

Drawing (PDF)
Packaging Specification (PDF)
Product Specification PS-74854-001 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Backplane Connectors
Series	74712
Application	Backplane
Comments	Port Numbered 8 Loaded
Component Type	PCB Header
Overview	ganged_rf
Product Name	Ganged RF
Style	N/A

Physical

Circuits (Loaded)	2
Circuits (maximum)	6
Circuits Detail	2
Color - Resin	Black, Natural
Durability (mating cycles max)	500
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Copper
Material - Resin	High Temperature Thermoplastic, Polyester
Number of Columns	3
Number of Pairs	N/A
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.141 In
PC Tail Length (mm)	3.58 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.177 In
PCB Thickness Recommended (mm)	4.50 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.246 In
Pitch - Mating Interface (mm)	6.25 mm
Pitch - Term. Interface (in)	0.246 In
Pitch - Term. Interface (mm)	6.25 mm
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
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
Real Signals (per 25mm)	8
Shielded	No

EU RoHS
RoHS Compliant by Exemption
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
74712Series

Mates With
74642 Ganged RF Receptacle

Voltage - Maximum	50V AC

Material Info

Reference - Drawing Numbers

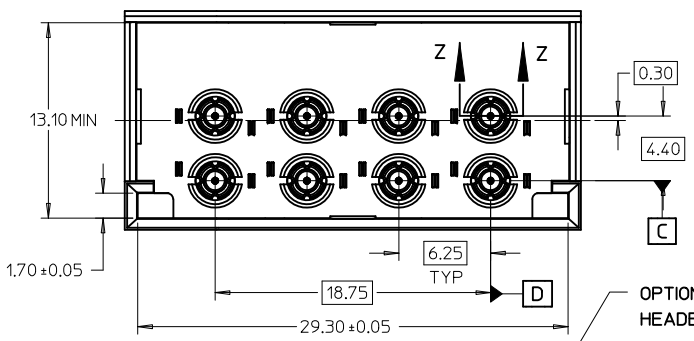
Packaging Specification	PK-74712-101
Product Specification	PS-74854-001
Sales Drawing	SD-74712-003

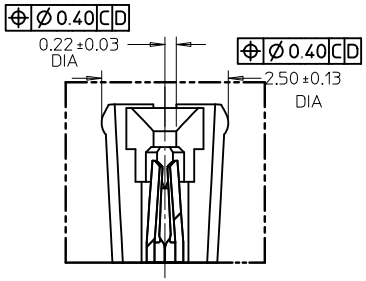
This document was generated on 05/15/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

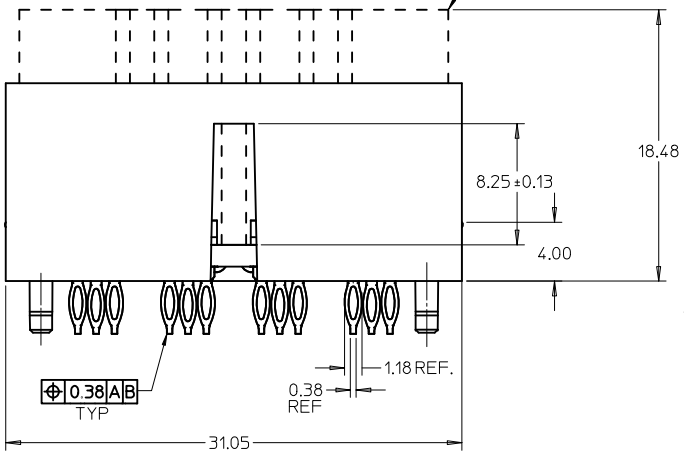
74712

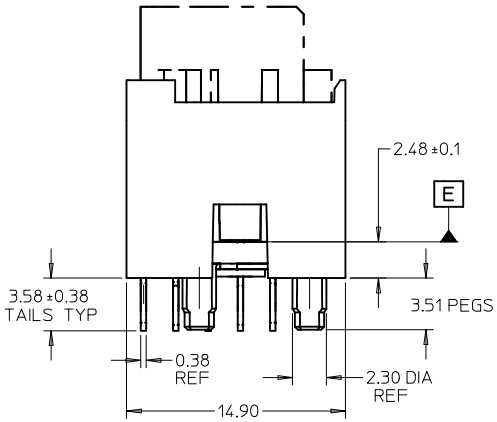
MATERIAL NO.	TERMINAL LOADING BY POSITION	PACKAGING
74712-0001	2, 5, 8, 11	PK-74712-001
74712-0002	2	PK-74712-001
74712-0003	2, 5, 8, 11	PK-74712-002





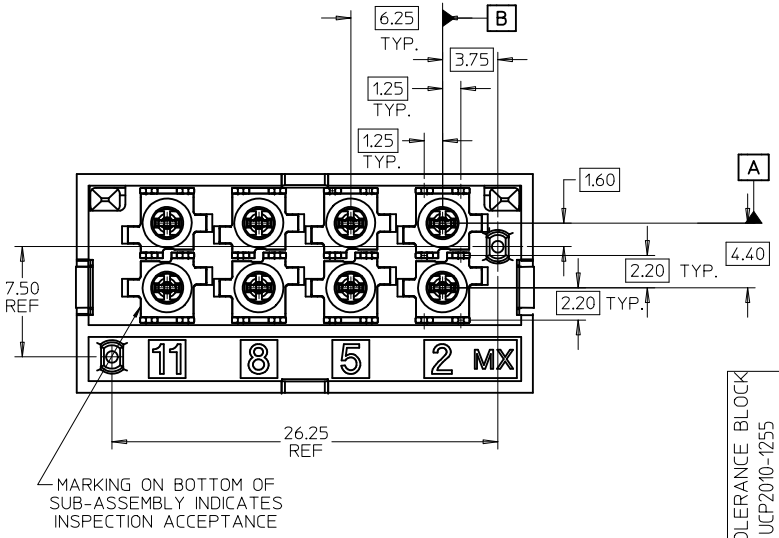
SECTION Z Z
SCALE 14:1





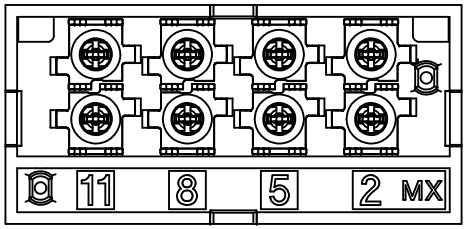
NOTES:

1. MATERIAL:
   HOUSING: GLASS FILLED THERMO PLASTIC, 94V-0
   INSULATOR: GLASS FILLED THERMO PLASTIC, 94V-0
   PACKAGING HEADER: GLASS FILLED THERMO PLASTIC, 94V-0
   TERMINALS AND GROUND: TIN BRASS
   OUTER GROUND CONTACT: PHOSPHOR BRONZE
2. PLATING:
   TERMINALS:
   SELECTIVE 0.76 MICRONS MIN. GOLD IN CONTACT AREA
   SELECTIVE 0.88 MICRONS MIN. TIN BOTH OVER
   1.27 MICRONS MIN. NICKEL UNDERPLATE
   GROUNDS:
   0.88 MICRONS MIN. TIN OVERALL OVER
   1.27 MICRONS MIN. NICKEL UNDERPLATE
   OUTER GROUND CONTACT:
   0.76 MICRONS MIN. GOLD OVERALL OVER
   1.27 MICRONS MIN. NICKEL UNDERPLATE
3. REFER TO PRODUCT SPEC.: PS-74854-001 FOR ELECTRICAL, MECHANICAL AND ENVIRONMENTAL REQUIREMENTS.
4. REFER TO PACKAGING SPEC STATED IN CHARTS FOR DETAILS OF THE PACKAGING REQUIREMENTS.
5. DATE CODE MARKING TO BE LOCATED ANYWHERE ON PLASTIC HOUSING. FIRST TWO DIGITS = WEEK NUMBER. LAST TWO DIGITS = YEAR.
6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPECIFICATION PS-45499-002.

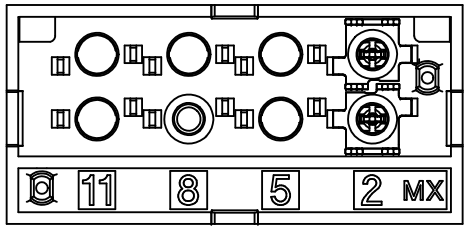


8 POS. CONNECTOR SHOWN

CONTACT LOADING OPTIONS FOR 8 POS CONNECTORS



MAT'L NO. 747120001/0003
POSITION 2,5,8 & 11 LOADED



MAT'L NO. 747120002
POSITION 2 LOADED

ADD TOLERANCE BLOCK
EC NO: UCP2010-1255 2009/11/17
DRWN: JMENDOZA 2009/11/23
CH'KD:
APPR: JBINGHAM 2009/11/23
DESCRIPTION
REV
E1

QUALITY SYMBOLS
▼ - 0
▽ (C) - 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SCALE 4:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
DIMENSION STYLE MM ONLY
DRAWN BY SREED DATE 2006/06/06
CHECKED BY JBINGHAM DATE 2006/06/06
APPROVED BY JBINGHAM DATE 2009/11/23

TITLE
SALES DRAWING FOR
VERTICAL GANGED RF
CONNECTOR, LONG TAILS

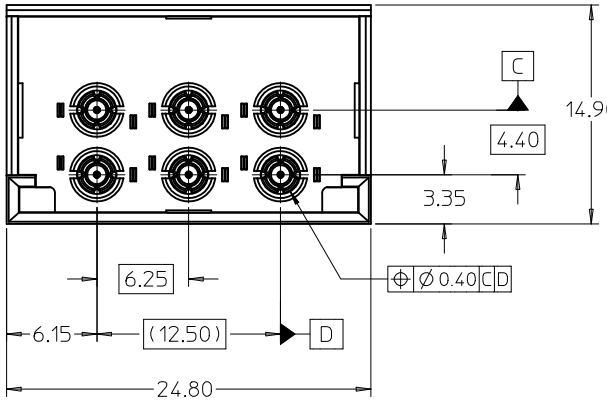
MOLEX INCORPORATED

MATERIAL NO. SEE CHART
DOCUMENT NO. SD-74712-003
SHEET NO. 1 OF 5

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

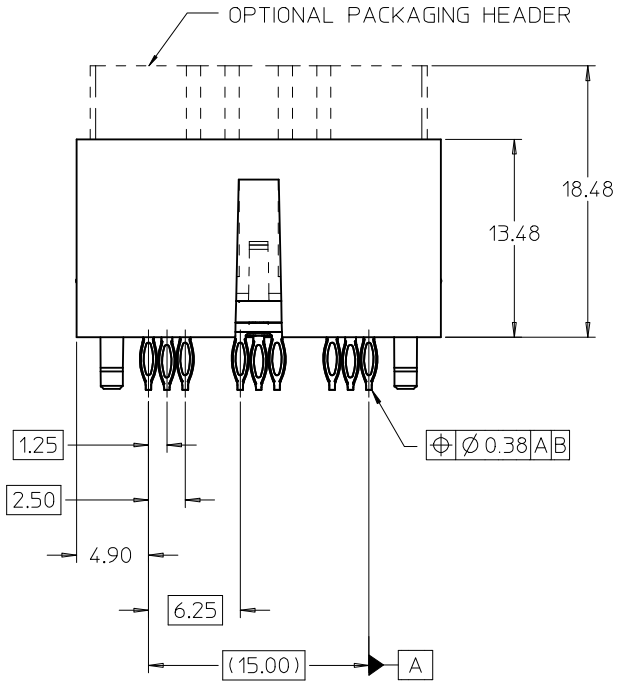
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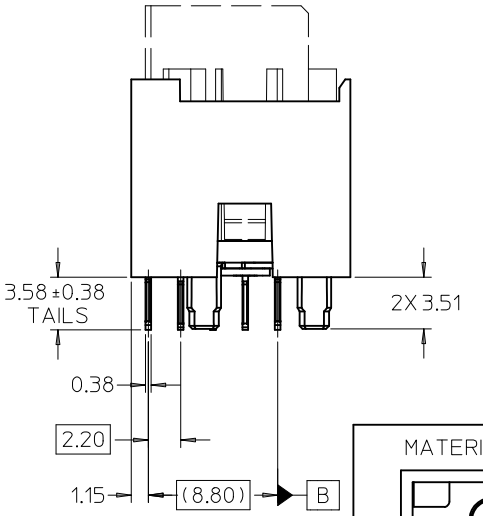
tb_frame_C-B1
rev. B1 2000/08/01

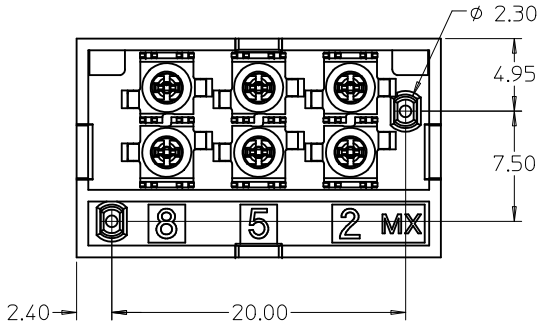


6 POSITION CONNECTOR

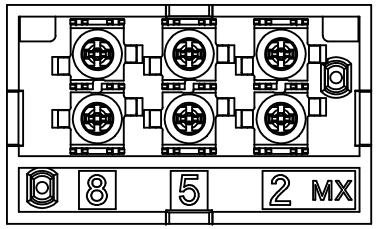
MATERIAL NUMBER	POSITION OF LOADED TERMINAL(S)	OPTIONAL PACKAGING HEADER	PACKAGING SPECIFICATION
74712-1001	2, 5, 8	YES	PK-74712-101
74712-1002	2, 8	YES	
74712-1003	2	YES	
74712-1004	8	YES	
74712-1007	5	YES	
74712-1005	2, 5, 8	YES	PK-74712-102
74712-1006	2	YES	





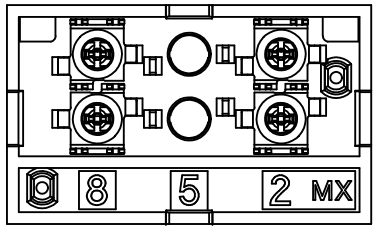


MATERIAL NUMBER: 74712-1001/-1005



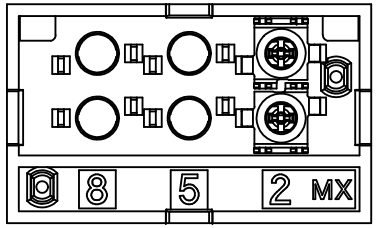
TERMINAL POSITIONS LOADED: 2, 5, 8

MATERIAL NUMBER: 74712-1002



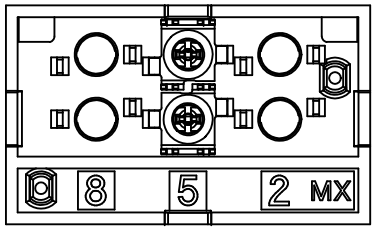
TERMINAL POSITIONS LOADED: 2, 8

MATERIAL NUMBER: 74712-1003/-1006



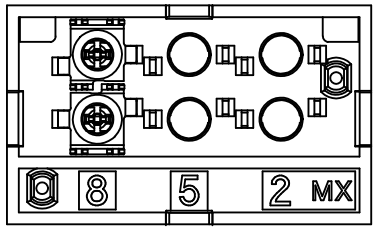
TERMINAL POSITION LOADED: 2

MATERIAL NUMBER: 74712-1007



TERMINAL POSITION LOADED: 5

MATERIAL NUMBER: 74712-1004



TERMINAL POSITION LOADED: 8

SEE SHEET 1
EC NO: UCP2010-1255 2009/11/17
DRWN: MENDOZA 2009/11/23
CHKD:
APPR: JBINGHAM 2009/11/23
DESCRIPTION
REV
E1

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	SREED	2006/06/06
CHECKED BY	JBINGHAM	2006/06/06
APPROVED BY	JBINGHAM	2009/11/23

TITLE: SALES DRAWING FOR VERTICAL GANGED RF CONNECTOR, LONG TAILS

MOLEX INCORPORATED

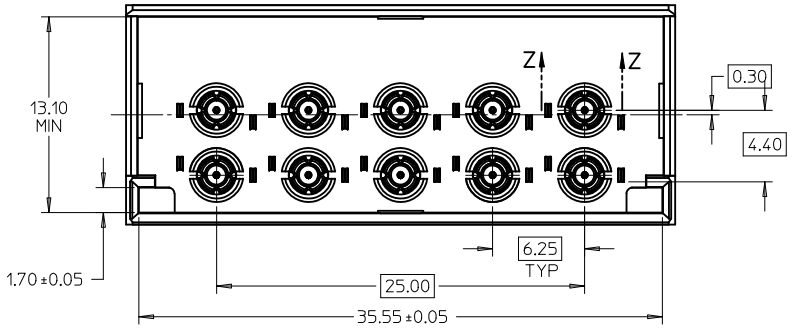
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-74712-003
SHEET NO.: 2 OF 5
SIZE: C

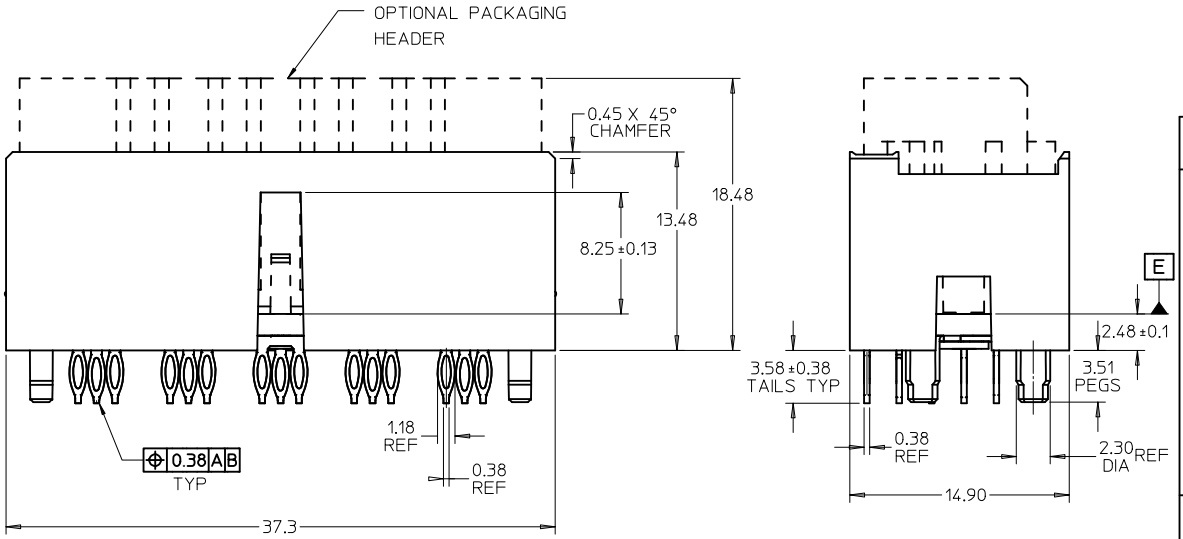
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

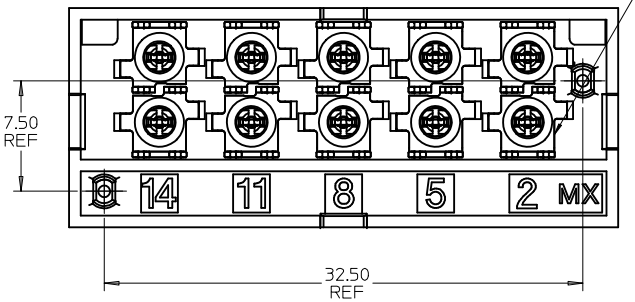
74712

MATERIAL NO.	TERMINAL LOADING BY POSITION	PACKAGING
74712-3001	2, 5, 8, 11, 14	PK-74712-210
74712-3002	8, 11, 14	PK-74712-210

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

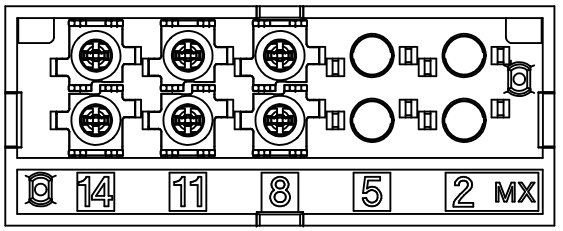




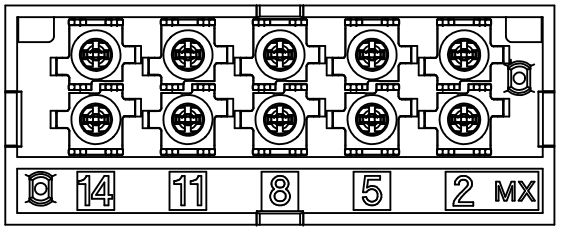


10 POSITION CONNECTOR SHOWN

CONTACT LOADING OPTIONS FOR 10 POSITION CONNECTORS



MAT'L NO. 747123002
POSITIONS 8,11,14 LOADED



MAT'L NO. 747123001
POSITIONS 2,5,8,11,14 LOADED

SEE SHEET 1
EC NO: UCP2010-1255
DRWN: JMENDOZA 2009/11/17
CH'KD:
APPR: JBINGHAM 2009/11/23
DESCRIPTION
REV
E1

QUALITY SYMBOLS
▼ - 0
▽ - 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

SCALE 4:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
DIMENSION STYLE MM ONLY
DRAWN BY SREED DATE 2006/06/06
CHECKED BY JBINGHAM DATE 2006/06/06
APPROVED BY JBINGHAM DATE 2009/11/23

TITLE
SALES DRAWING FOR VERTICAL GANGED RF CONNECTOR, LONG TAILS

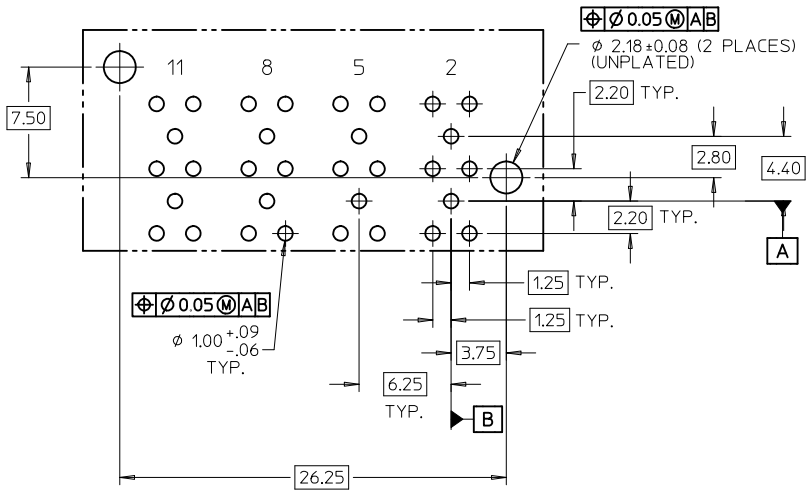
MOLEX INCORPORATED

MATERIAL NO. SEE CHART
DOCUMENT NO. SD-74712-003
SHEET NO. 3 OF 5

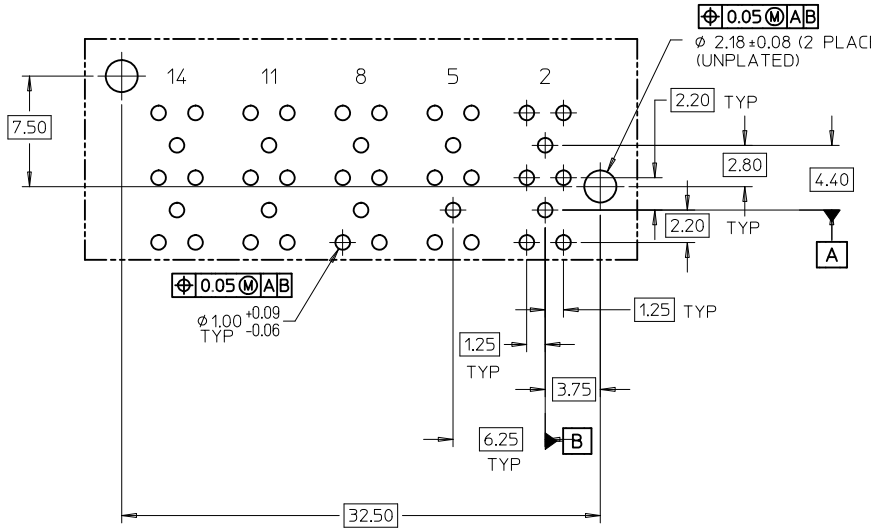
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

C

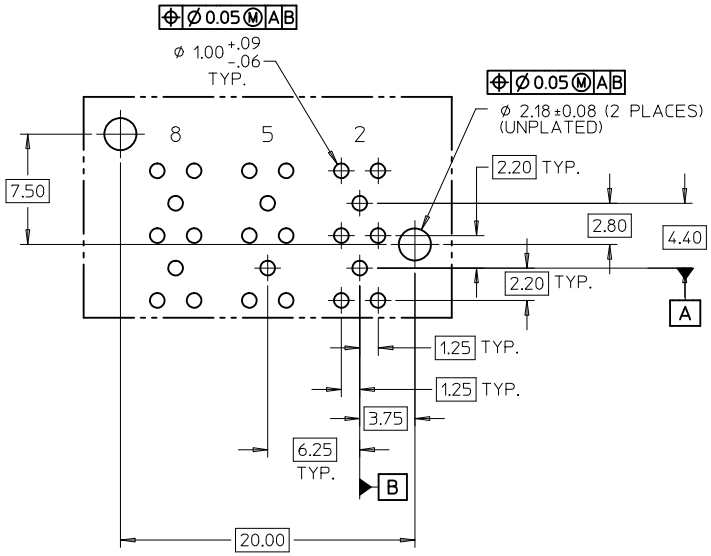
tb_frame_C-B1
rev. B1 2000/08/01



RECOMMENDED PCB LAYOUT
FOR THE 8 POSITION CONNECTOR
COMPONENT SIDE
MAX. BOARD THICKNESS: 4.50



RECOMMENDED PCB LAYOUT
FOR THE 10 POSITION CONNECTOR
COMPONENT SIDE
MAX. BOARD THICKNESS: 4.50



RECOMMENDED PCB LAYOUT
FOR THE 6 POSITION CONNECTOR
COMPONENT SIDE
MAX. BOARD THICKNESS: 4.50

NOTE: DEPENDING ON CONNECTOR PART NUMBER, ALL HOLES MAY NOT BE REQUIRED. REFER TO SHEETS 1-3 FOR LOADED TERMINAL POSITIONS. REFER TO TERMINAL POSITIONS SPECIFIED ON EACH PCB LAYOUT TO DETERMINE WHICH HOLES ARE NEEDED.

SEE SHEET 1
EC NO: UCP2010-1255
DRWN: JMENDOZA 2009/11/17
CH'KD: 2009/11/23
APPR: JBINGHAM 2009/11/23
DESCRIPTION
REV
E1

QUALITY SYMBOLS
▼ - 0
▽ C - 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SCALE 4:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
DIMENSION STYLE MM ONLY
DRAWN BY SREED DATE 2006/06/06
CHECKED BY JBINGHAM DATE 2006/06/06
APPROVED BY JBINGHAM DATE 2009/11/23

TITLE
SALES DRAWING FOR
VERTICAL GANGED RF
CONNECTOR, LONG TAILS

MOLEX INCORPORATED

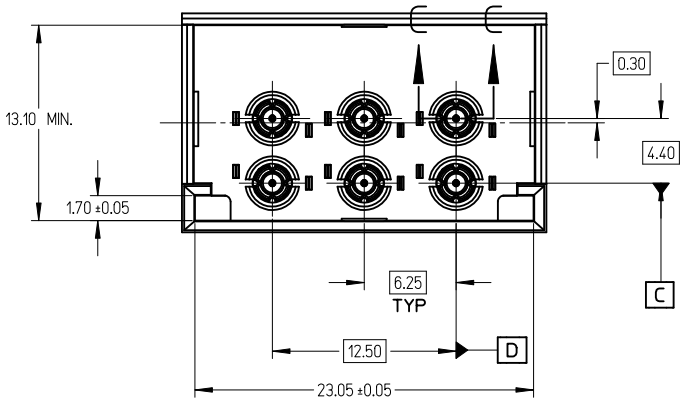
MATERIAL NO. SEE CHARTS
DOCUMENT NO. SD-74712-003
SHEET NO. 4 OF 5

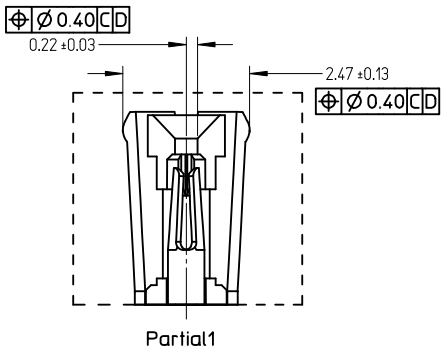
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

C

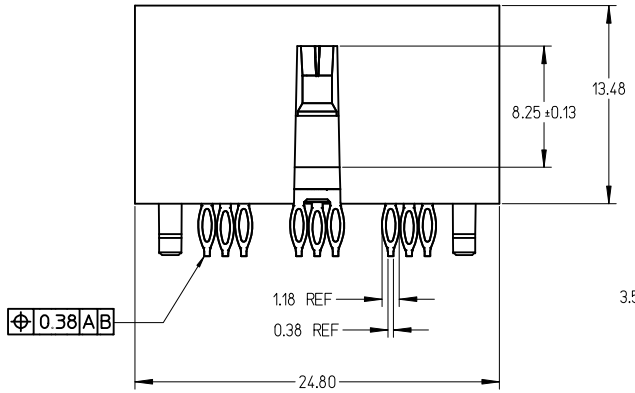
6 POSITION CONNECTOR

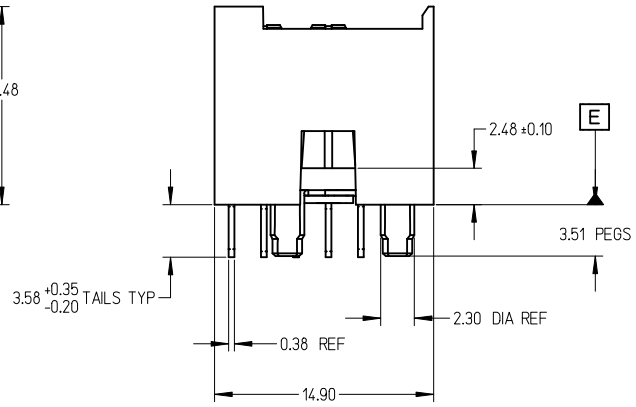
MATERIAL NUMBER	POSITION OF LOADED TERMINAL(S)	OPTIONAL PACKAGING HEADER	PACKAGING SPECIFICATION
74712-1008	2, 8	NO	PK-74712-101
74712-1009	5	NO	



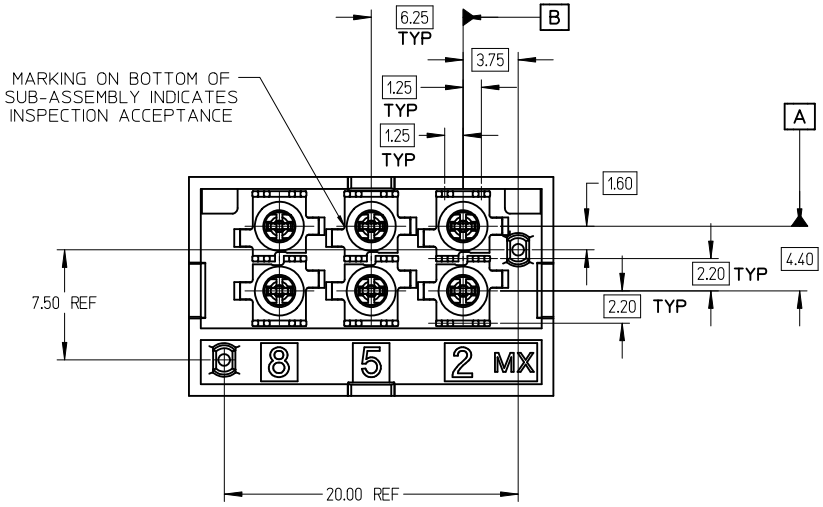


Partial1
SCALE 14:1





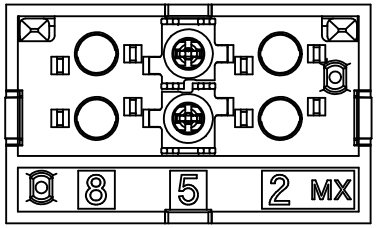
6 POS. CONNECTOR SHOWN



NOTES:

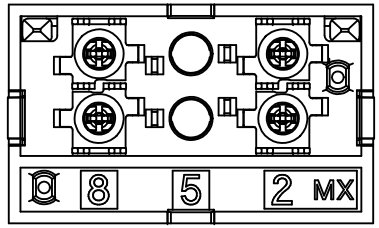
1. MATERIAL:
   HOUSING: GLASS FILLED THERMO PLASTIC, 94V-0
   INSULATOR: GLASS FILLED THERMO PLASTIC, 94V-0
   TERMINALS AND GROUND: TIN BRASS
   OUTER GROUND CONTACT: PHOSPHOR BRONZE
2. PLATING:
   TERMINALS:
   SELECTIVE 0.76 MICRONS MIN. GOLD IN CONTACT AREA
   SELECTIVE 0.88 MICRONS MIN. TIN BOTH OVER
   1.27 MICRONS MIN. NICKEL UNDERPLATE
   GROUNDS:
   0.88 MICRONS MIN. TIN OVERALL OVER
   1.27 MICRONS MIN. NICKEL UNDERPLATE
   OUTER GROUND CONTACT:
   0.76 MICRONS MIN. GOLD OVERALL OVER
   1.27 MICRONS MIN. NICKEL UNDERPLATE
3. REFER TO PRODUCT SPEC.: PS-74854-001 FOR ELECTRICAL, MECHANICAL AND ENVIRONMENTAL REQUIREMENTS.
4. REFER TO PACKAGING SPEC STATED IN CHARTS FOR DETAILS OF THE PACKAGING REQUIREMENTS.
5. DATE CODE MARKING TO BE LOCATED ANYWHERE ON PLASTIC HOUSING. FIRST TWO DIGITS = WEEK NUMBER. LAST TWO DIGITS = YEAR.
6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPECIFICATION PS-45499-002.

MATERIAL NUMBER: 74712-1009



TERMINAL POSITION LOADED: 5

MATERIAL NUMBER: 74712-1008



TERMINAL POSITIONS LOADED: 2, 8

SEE SHEET 1
EC NO: UCP2010-1255 2009/11/17
DRWN: JMENDOZA 2009/11/23
CH'KD: 2009/11/23
APPR: JBINGHAM
DESCRIPTION
REV
E1

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: SREED DATE: 2006/06/06
CHECKED BY: JBINGHAM DATE: 2006/06/06
APPROVED BY: JBINGHAM DATE: 2009/11/23

TITLE: SALES DRAWING FOR VERTICAL GANGED RF CONNECTOR, LONG TAILS

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHARTS
DOCUMENT NO.: SD-74712-003
SHEET NO.: 5 OF 5
SIZE: C

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