This document was generated on 04/01/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0310681010
Status: Active
Overview: H-DAC™ 64 Single Row
Description: 2.54mm (.100") H-DAC 64™, 4 Way Receptacle Assembly, Single-Row, Polarization A

Documents:

Drawing (PDF)
Application Specification (PDF)
Product Specification PS-31067-0001 (PDF)
Product Specification PS-31100-0001 (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

General

Product Family	Crimp Housings
Series	31068
Comments	Polarization Option A, Black
Overview	H-DAC™ 64 Single Row
Product Name	H-DAC 64™

Physical

Circuits (maximum)	4
Circuits Detail	4
Color - Resin	Black, White
Gender	Female
Glow-Wire Compliant	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Modified Polystyrene, Polyester
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
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
Polarized to Mating Part	Yes
Ports	1
Stackable	No
Temperature Range - Operating	-40°C to +100°C

Electrical

Current - Maximum per Contact	11A, 9A

Material Info

Reference - Drawing Numbers

Product Specification	PS-31067-0001, PS-31100-0001
Sales Drawing	SD-31109-003

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

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.

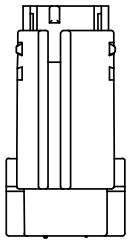
Search Parts in this Series
31068Series

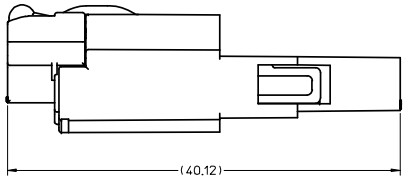
Mates With
H-DAC 64™, 4 Way Male Housing Assembly 310681040 , 310681070 , 311000040 , 311010040

Use With
See Product Spec

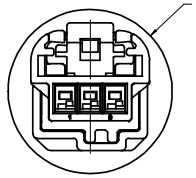
This document was generated on 04/01/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

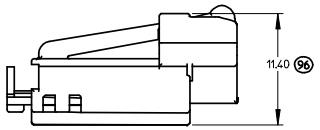


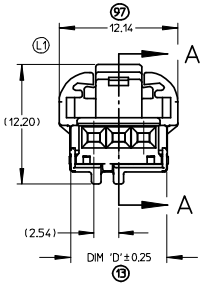


OVERALL MATED LENGTH

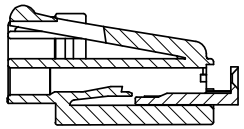


MALE AND FEMALE ASSEMBLY
PASS THRU VIEW
(CAD GENERATED)

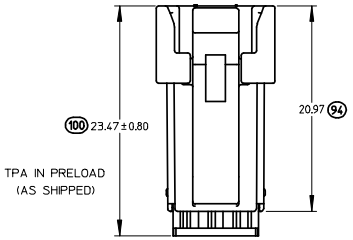


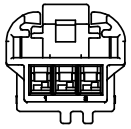


MATING SIDE



SECTION A-A
SCALE 4:1





WIRE SIDE

NOTES:
1. MATERIAL: HOUSING: SPS GLASS FILLED, COLOR SEE CHART.
   TPA: PBT.
2. PRODUCT SPECIFICATIONS - IN-LINE MATING INTERFACE: PS-31067-0001.
   - DIRECT CONNECT MATING INTERFACE: PS-31100-0001.
3. PACKAGING SPECIFICATION: DRAWING PK-30907-737.
4. MATES WITH: SEE SALES DRAWINGS SD-31110-003 (MALE INLINE), SD-31197-003 (RIGHT ANGLE HEADER), SD-31101-114 (VERTICAL "WINGED" HEADER), AND SD-31206-003 (VERTICAL HEADER).
5. TERMINAL PLATING: TIN (Sn) OVERALL, BRITE FINISH.
   THICKNESS = 1.5 MICROMETER MINIMUM.
   NICKEL (Ni) UNDERPLATE OVERALL.
6. PACKAGING: PLEASE REFERENCE MOLEX SPECIFICATION PS-34646-001, AVAILABLE AT WWW.MOLEX.COM. (REFERENCE: TPAs THAT ARE FOUND IN SEATED [FINAL LOCK] POSITION)
7. APPLICATION SPECIFICATION: AS-31067-100.

ENTER DESCRIPTION
EC NO: UAU2008-0767 2008/07/08
DRWN:TMACHUGA 2008/07/09
CH'KD:BDICK 2008/07/09
APPR:SMARCEAU
DESCRIPTION

G1
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: BDICK01' DATE: 6/22/2007
CHECKED BY: CDILLON DATE: 6/22/2007
APPROVED BY: DATE:

TITLE: FEMALE ASSEMBLY CHARTED SALES DRAWING

molex MOLEX INCORPORATED

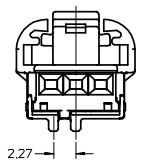
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-31109-003
SHEET NO.: 1 OF 4

SIZE: D

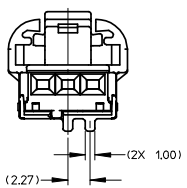
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FEMALE VIEWED FROM MATING SIDE

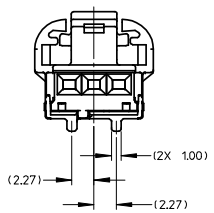
3 WAY POLARIZATION "A"



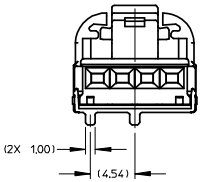
3 WAY POLARIZATION "B"



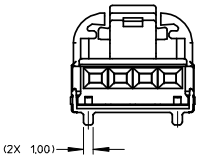
3 WAY POLARIZATION "C"



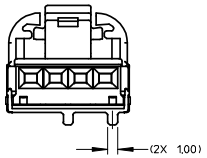
4 WAY POLARIZATION "A"



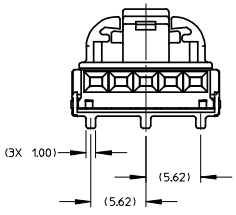
4 WAY POLARIZATION "B"



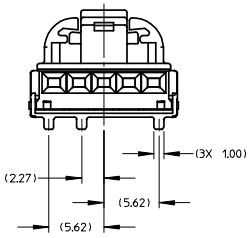
4 WAY POLARIZATION "C"



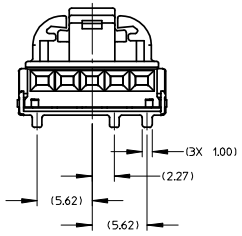
5 WAY POLARIZATION "A"



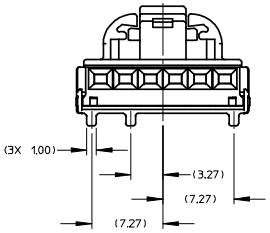
5 WAY POLARIZATION "B"



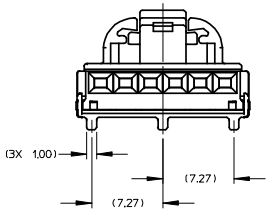
5 WAY POLARIZATION "C"



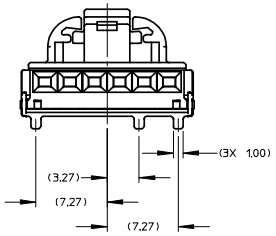
6 WAY POLARIZATION "A"



6 WAY POLARIZATION "B"



6 WAY POLARIZATION "C"



BILL OF MATERIALS							MATING ASSEMBLIES PART NUMBERS				
ASSEMBLY PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION	COLOR	DIM 'D'	DIM 'E'	INLINE MALE ASSEMBLY W/O XMAS SLOT	INLINE MALE ASSEMBLY W/ XMAS SLOT	RIGHT ANGLE MALE HEADER ASSEMBLY	VERTICAL MALE HEADER ASSEMBLY	VERTICAL MALE WINGED HEADER ASSY
31067-1010	3 WAY FEMALE ASSEMBLY POLARIZATION "A"	31111-0030	FEMALE HOUSING	BLACK	9.80	16.76	31067-1040	31067-1070	31100-0030 NOT TOOLED	31101-0030 NOT TOOLED	TBD
		31113-0030	TPA	NATURAL (WHITE)							
31067-1011	3 WAY FEMALE ASSEMBLY POLARIZATION "B"	31111-0031	FEMALE HOUSING	GRAY	9.80	16.76	31067-1041	31067-1071	31100-0031 NOT TOOLED	31101-0031 NOT TOOLED	TBD
		31113-0030	TPA	NATURAL (WHITE)							
31067-1012	3 WAY FEMALE ASSEMBLY POLARIZATION "C"	31111-0032	FEMALE HOUSING	BROWN	9.80	16.76	31067-1042	31067-1072	31100-0032 NOT TOOLED	31101-0032 NOT TOOLED	TBD
		31113-0030	TPA	NATURAL (WHITE)							
31068-1010	4 WAY FEMALE ASSEMBLY POLARIZATION "A"	31157-0040	FEMALE HOUSING	BLACK	12.34	18.25	31068-1040	31068-1070	31100-0040	31101-0040	31101-1140
		31158-0040	TPA	NATURAL (WHITE)							
31068-1011	4 WAY FEMALE ASSEMBLY POLARIZATION "B"	31157-0041	FEMALE HOUSING	GRAY	12.34	18.25	31068-1041	31068-1071	31100-0041	31101-0041	31101-1240
		31158-0040	TPA	NATURAL (WHITE)							
31068-1012	4 WAY FEMALE ASSEMBLY POLARIZATION "C"	31157-0042	FEMALE HOUSING	BROWN	12.34	18.25	31068-1042	31068-1072	31100-0042	31101-0042	31101-1340
		31158-0040	TPA	NATURAL (WHITE)							
31072-1010	5 WAY FEMALE ASSEMBLY POLARIZATION "A"	31160-0050	FEMALE HOUSING	BLACK	14.88	20.25	31072-1040	31072-1070	31100-0050 NOT TOOLED	31101-0050 NOT TOOLED	TBD
		31161-0050	TPA	NATURAL (WHITE)							
31072-1011	5 WAY FEMALE ASSEMBLY POLARIZATION "B"	31160-0051	FEMALE HOUSING	GRAY	14.88	20.25	31072-1041	31072-1071	31100-0051 NOT TOOLED	31101-0051 NOT TOOLED	TBD
		31161-0050	TPA	NATURAL (WHITE)							
31072-1012	5 WAY FEMALE ASSEMBLY POLARIZATION "C"	31160-0052	FEMALE HOUSING	BROWN	14.88	20.25	31072-1042	31072-1072	31100-0052 NOT TOOLED	31101-0052 NOT TOOLED	TBD
		31161-0050	TPA	NATURAL (WHITE)							
31073-1010	6 WAY FEMALE ASSEMBLY POLARIZATION "A"	31163-0060	FEMALE HOUSING	BLACK	17.42	22.75	31073-1040	31073-1070	31100-0060 NOT TOOLED	31101-0060 NOT TOOLED	TBD
		31164-0060	TPA	NATURAL (WHITE)							
31073-1011	6 WAY FEMALE ASSEMBLY POLARIZATION "B"	31163-0061	FEMALE HOUSING	GRAY	17.42	22.75	31073-1041	31073-1071	31100-0061 NOT TOOLED	31101-0061 NOT TOOLED	TBD
		31164-0060	TPA	NATURAL (WHITE)							
31073-1012	6 WAY FEMALE ASSEMBLY POLARIZATION "C"	31163-0062	FEMALE HOUSING	BROWN	17.42	22.75	31073-1042	31073-1072	31100-0062 NOT TOOLED	31101-0062 NOT TOOLED	TBD
		31164-0060	TPA	NATURAL (WHITE)							

ENTER DESCRIPTION
EC NO: UAU2008-0767 2008/07/08
DRWN:TMACHUGA 2008/07/09
CH'KD:BDICK 2008/07/09
APPR:SMARCEAU 2008/07/09
DESCRIPTION
G1
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: BDICK01' DATE: 6/22/2007
CHECKED BY: CDILLON DATE: 6/22/2007
APPROVED BY: DATE:
MATERIAL NO.: SEE CHART

TITLE: FEMALE ASSEMBLY CHARTED SALES DRAWING

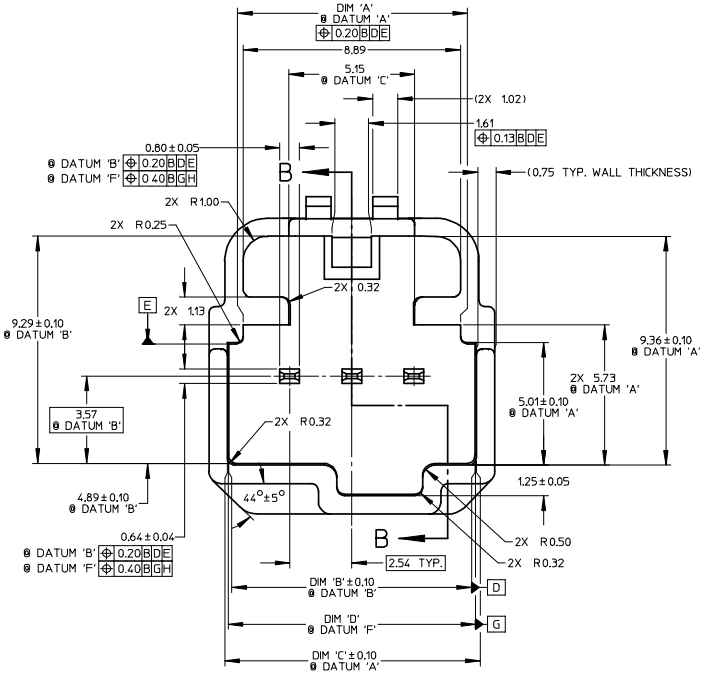
MOLEX INCORPORATED

DOCUMENT NO.: SD-31109-003
SHEET NO.: 2 OF 4

SIZE: D

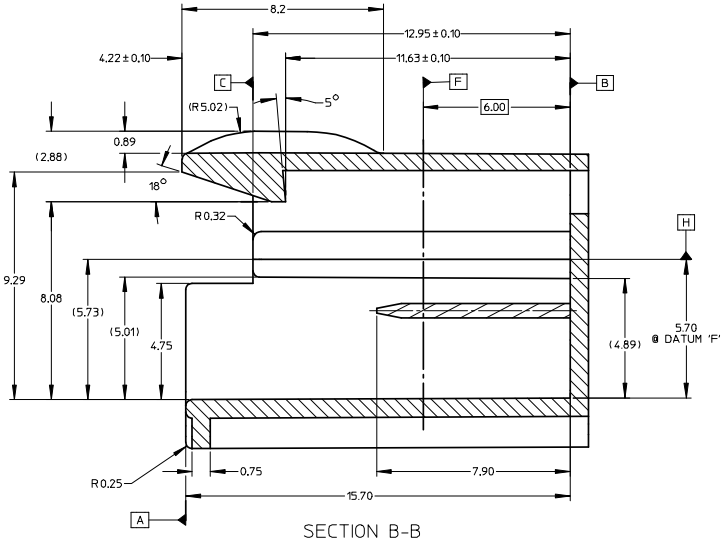
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REFERENCE ONLY

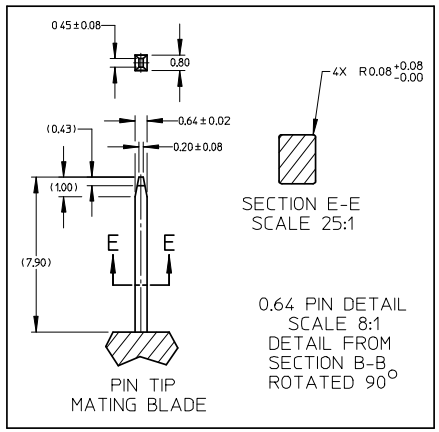


MATING INTERFACE DETAIL
SCALE 10:1

RECOMMENDED MATING MATERIAL: SPS, 30% GLASS FILLED.



SECTION B-B
SCALE 10:1



RECOMMENDED DIRECT CONNECT INFO
FOR MATING FEMALE PARTS ONLY

DIMENSIONS FOR DIRECT CONNECT

CIRCUIT SIZE	DIM "A"	DIM "B"	DIM "C"	DIM "D"
3	8.89	10.05	10.19	10.11
4	11.20	12.59	12.73	12.65
5	13.74	15.13	15.27	15.19
6	16.28	17.67	17.81	17.73

ENTER DESCRIPTION
EC NO: UAU2008-0767 2008/07/08
DRWN:TMACHUGA 2008/07/09
CH'KD:BDICK 2008/07/09
APPR:SMARCEAU 2008/07/09
DESCRIPTION
REV G1

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: BDICK01 DATE: 6/22/2007
CHECKED BY: CDILLON DATE: 6/22/2007
APPROVED BY: DATE:

TITLE: FEMALE ASSEMBLY CHARTED SALES DRAWING

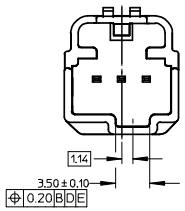
MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-31109-003
SHEET NO.: 3 OF 4
SIZE: D

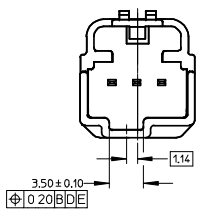
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REFERENCE ONLY

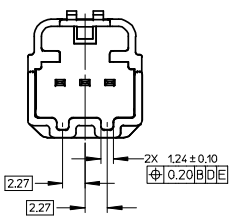
3 WAY
POLARIZATION "A"



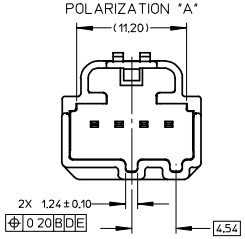
3 WAY
POLARIZATION "B"



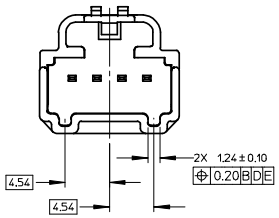
3 WAY
POLARIZATION "C"



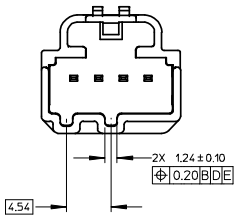
4 WAY
POLARIZATION "A"



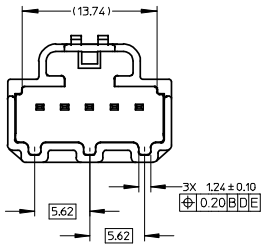
4 WAY
POLARIZATION "B"



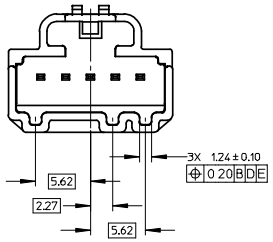
4 WAY
POLARIZATION "C"



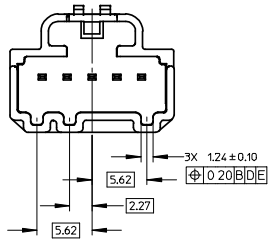
5 WAY
POLARIZATION "A"



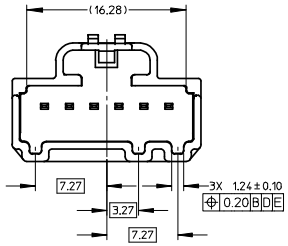
5 WAY
POLARIZATION "B"



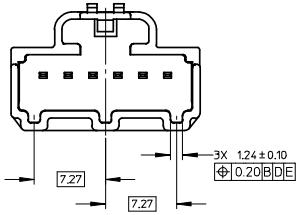
5 WAY
POLARIZATION "C"



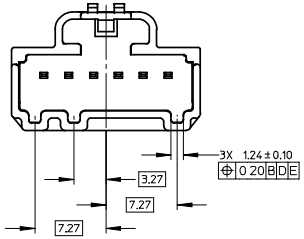
6 WAY
POLARIZATION "A"



6 WAY
POLARIZATION "B"



6 WAY
POLARIZATION "C"



ENTER DESCRIPTION
EC NO: UAU2008-0767 2008/07/08
DRWN:TMACHUGA 2008/07/09
CHKD:BDICK 2008/07/09
APPR:SMARCEAU 2008/07/09
DESCRIPTION

G1
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: BDICK01' DATE: 6/22/2007
CHECKED BY: CDILLON DATE: 6/22/2007
APPROVED BY: DATE:

TITLE: FEMALE ASSEMBLY CHARTED SALES DRAWING

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-31109-003
SHEET NO.: 4 OF 4
SIZE: D

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