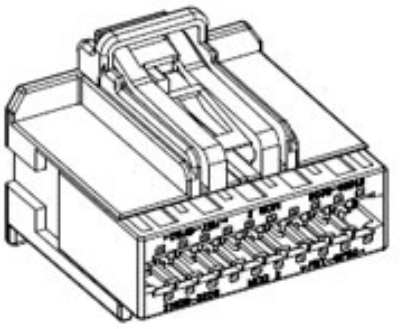
This document was generated on 06/03/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0314081120
Status: Active
Overview: stac64_single_multipocket_and_hybrid_header_system
Description: USCAR 2.54mm (.100") Pitch Receptacle, 12 Circuits, Polarization A, Black

Documents:

3D Model
Drawing (PDF)
Application Specification (PDF)
Product Specification PS-31408-100 (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

General

Product Family	Crimp Housings
Series	31408
Comments	Polarization A
Overview	stac64_single_multipocket_and_hybrid_header_system
Product Name	USCAR

Physical

Circuits (maximum)	12
Circuits Detail	12
Color - Resin	Black
Gender	Female
Glow-Wire Compliant	No
Keying to Mating Part	None
Lock to Mating Part	No
Material - Resin	Modified Polystyrene
Number of Rows	2
Packaging Type	Carton
Panel Mount	No
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating 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	10.2A

Material Info

Reference - Drawing Numbers

Application Specification	AS-31408-100
Packaging Specification	PK-31300-044
Product Specification	PS-31408-100
Sales Drawing	SD-31408-900

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

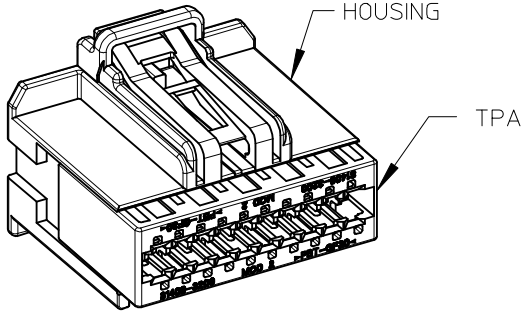
Please visit the Contact Us section for any non-product compliance questions.

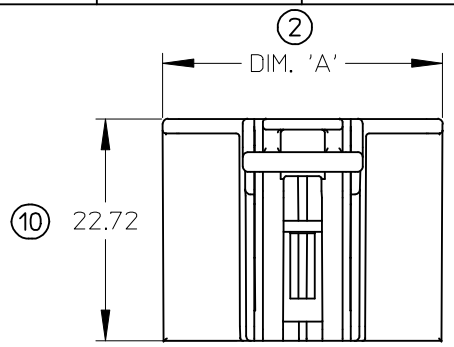
Search Parts in this Series
31408Series

Mates With
34691 Stac64 Right Angle Assembly. 34690 Stac64 Vertical Assembly

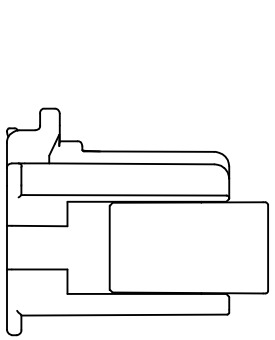
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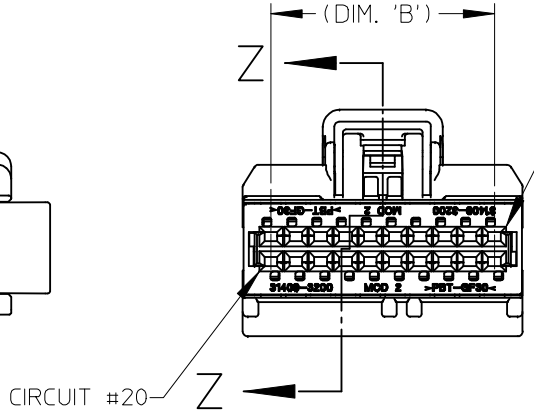
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



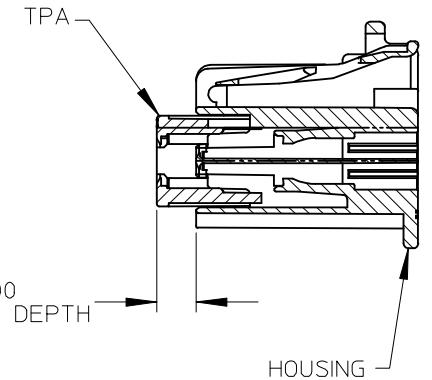


VIEW SHOWN WITH TPA
IN LOCKED POSITION





FRONT VIEW



SECTION Z-Z

NOTES:
1. MATERIALS:
   HOUSING: SPS/PA66 BLEND, 30% GF
   TPA: PBT, GF
   COLOR: NATURAL (CREAM)
2. PACKAGING INFORMATION: PK-31300-044
3. MATING COMPONENTS:
   NEW APPLICATIONS:
   REFER TO SD-34691-100 & SD-34690-100
   EXISTING APPLICATIONS (RESTRICTED):
   REFER TO SD-31429-700 & SD-31411-700
4. TPA's MAY BECOME SEATED DURING TRANSIT. IF THIS OCCURS, REFERENCE MOLEX PRODUCT SPECIFICATION PS-34646-001.
5. TO BE USED WITH TYCO TERMINAL: 18/20 AWG 1393366-1
   22 AWG 1393367-1

EC NO: UAU2008-0100 2008/08/22
DRWN:BDICK01 2008/08/28
CH'KD:
APPR: SMARCEAU 2008/08/28
DESCRIPTION
REV G

QUALITY SYMBOLS
▼ - 0
▽ - 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 2:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | REVISE ON CAD ONLY

DIMENSION STYLE: MM ONLY

DRAWN BY SKAROLEW DATE 2004/02/17
CHECKED BY MDANIELS DATE 2004/03/31
APPROVED BY BBWILSON DATE 2004/04/06

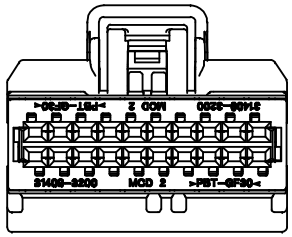
TITLE: USCAR 0.64MM RECEPTACLE ASSY, GET TERMINAL SALES DRAWING

MOLEX INCORPORATED

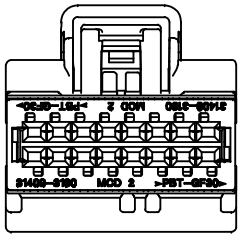
MATERIAL NO. SEE CHART | DOCUMENT NO. SD-31408-900 | SHEET NO. 1 OF 3

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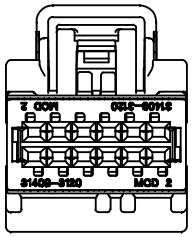
B



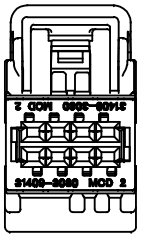
20 WAY



16 WAY

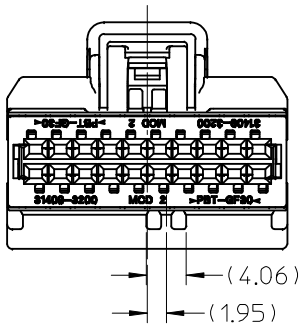


12 WAY

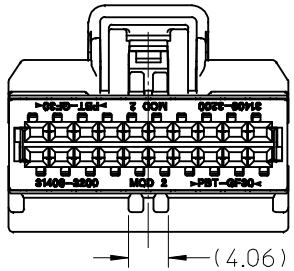


8 WAY

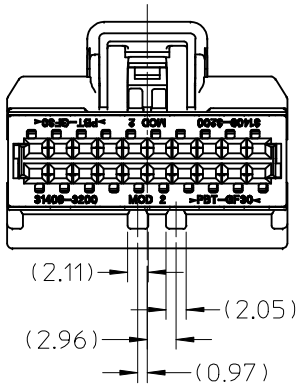
POLARIZATION 'A' OPTION
(ALL CIRCUITS SHOWN)



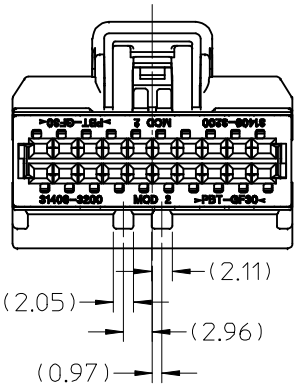
POLARIZATION 'A'



POLARIZATION 'B'



POLARIZATION 'C'



POLARIZATION 'D'

POLARIZATION OPTIONS
(20-CIRCUIT SHOWN)

EC NO: UAU2008-0100 2008/08/22
DRWN:BDICK01 2008/08/28
CHKD:
APPR:SMARCEAU 2008/08/28
DESCRIPTION
G
REV

QUALITY SYMBOLS
▼ - 0
▽(C) - 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SCALE	2:1
DESIGN UNITS	METRIC
DIMENSION STYLE	MM ONLY
DRAWN BY / DATE	SKAROLEW 2004/02/17
CHECKED BY / DATE	MDANIELS 2004/03/31
APPROVED BY / DATE	BBWILSON 2004/04/06

THIRD ANGLE PROJECTION
REVISE ON CAD ONLY

TITLE: USCAR 0.64MM RECEPTACLE ASSY, GET TERMINAL SALES DRAWING

MOLEX INCORPORATED

MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE CHART	SD-31408-900	2 OF 3

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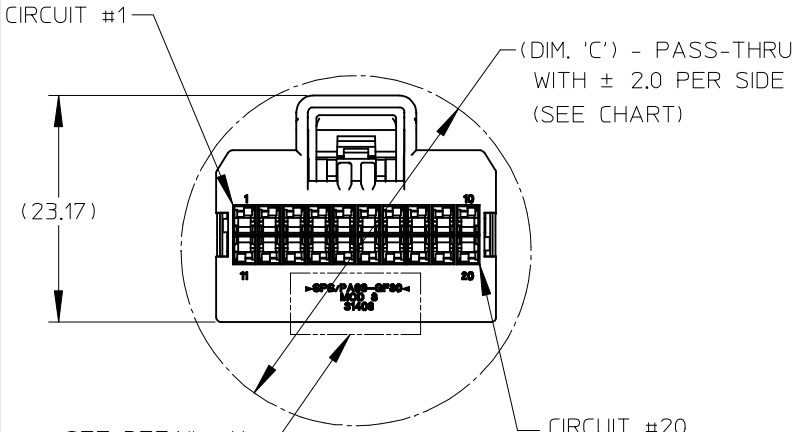
B

MOLEX ASSY. P/N	CIRCUITS	DIM. 'A'	(DIM. 'B')	(DIM. 'C')	POLARIZATION	HOUSING COLOR
31408-1080	8	13.40	(7.62)	(29.7)	A	BLACK
31408-1081					B	GRAY
31408-1082					C	BROWN
31408-1120	12	18.48	(12.70)	(31.3)	A	BLACK
31408-1121					B	GRAY
31408-1122					C	BROWN
31408-1160	16	23.56	(17.78)	(33.5)	A	BLACK
31408-1161					B	GRAY
31408-1162					C	BROWN
31408-1200	20	28.64	(22.86)	(36.3)	A	BLACK
31408-1201					B	GRAY
31408-1202					C	BROWN
31408-1203					D	GREEN



RECYCLE CODE
P/N SERIES NO.
MANU. LOC./CAV. ID

DETAIL Y
SCALE 4:1



BACK VIEW

EC NO: UAU2008-0100
DRWN:BDICK01 2008/08/22
CHKD:
APPR:SMARCEAU 2008/08/28
DESCRIPTION
G
REV

QUALITY SYMBOLS
▼- 0
▽(C)- 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE
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SCALE 2:1
DESIGN UNITS METRIC
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DIMENSION STYLE MM ONLY
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TITLE
USCAR 0.64MM RECEPTACLE ASSY, GET TERMINAL SALES DRAWING

MOLEX INCORPORATED

MATERIAL NO. SEE CHART
DOCUMENT NO. SD-31408-900
SHEET NO. 3 OF 3

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