

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0313811000

Status:

Active

Description:

38 Circuit ABS Way Receptacle, 2.8 Power Only

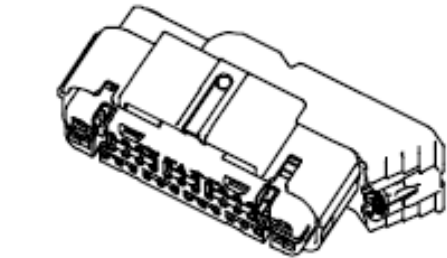


image - Reference only

Series

Documents:

- [Packaging Specification \(PDF\)](#)
- [Product Specification PS-31380-100 \(PDF\)](#)
- [Drawing \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family

Crimp Housings

Series

31381

Product Name

N/A

Physical

Circuits (maximum)

38

Color - Resin

Black

Gender

Female

Glow-Wire Compliant

No

Keying to Mating Part

Yes

Lock to Mating Part

Yes

Material - Resin

Modified Polystyrene, Polyester, Polyphenylene Ether Alloy

Number of Rows

3

Packaging Type

Bag

Panel Mount

No

Pitch - Mating Interface (in)

0.157 In, 0.268 In, 0.311 In

Pitch - Mating Interface (mm)

4.00 mm, 6.80 mm, 7.90 mm

Pitch - Term. Interface (in)

0.157 In, 0.268 In, 0.311 In

Pitch - Term. Interface (mm)

4.00 mm, 6.80 mm, 7.90 mm

Polarized to Mating Part

Yes

Ports

38

Stackable

No

Temperature Range - Operating

125°C

Material Info

Reference - Drawing Numbers

Product Specification

PS-31380-100

Sales Drawing

SD-31381-100

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

China RoHS



Need more information on product
environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

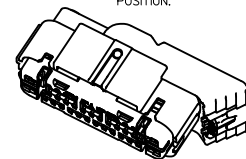
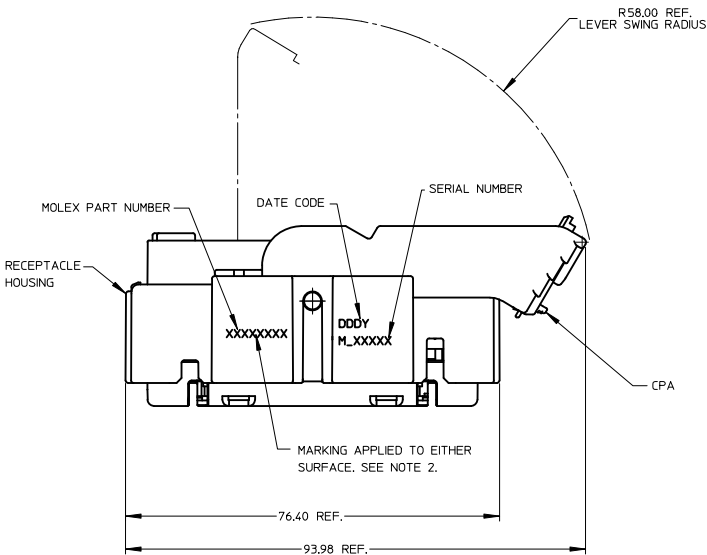
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

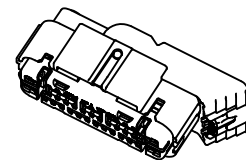
31381Series

Mates With

313821001



PART SHOWN WITH WIRE SHIELD INSTALLED. SHIELD SOLD SEPARATELY.



- NOTES:
- CONNECTOR TO BE SHIPPED WITH TPA IN PRE-LOAD POSITION AS SHOWN IN SECTION A-A.
 - ALL TEXT TO BE CLEARLY LEGIBLE AND 150MM MIN. HEIGHT. MARKING ORIENTATION MAY BE PARALLEL TO THE LENGTH OF THE PART, AS SHOWN, OR PERPENDICULAR TO THE LENGTH OF THE PART.

DATE CODE DESCRIPTION:
 -1st THROUGH 3rd DIGIT = "DAY#" OF THE CALENDAR YEAR. (EXAMPLE FEB. 3rd = "034")
 -LAST DIGIT = LAST DIGIT OF CALENDAR YEAR. (EXAMPLE: 2000 = "0")
 SERIAL NUMBER DESCRIPTION:
 -FIRST CHARACTER "M_" = ASSEMBLY MACHINE NUMBER
 -FOLLOWING NUMBER STARTS AT "00001" AND IS RESET FOR EACH NEW "DAY#".
 MOLEX PART NUMBER:
 - SEE TABLE

3. DIMENSIONS NOT SHOWN CAN BE OBTAINED FROM THE ASSOCIATED MODEL.

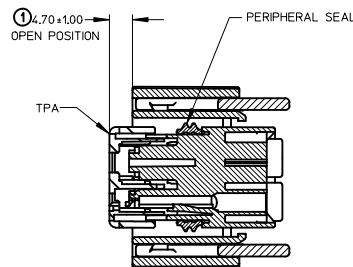
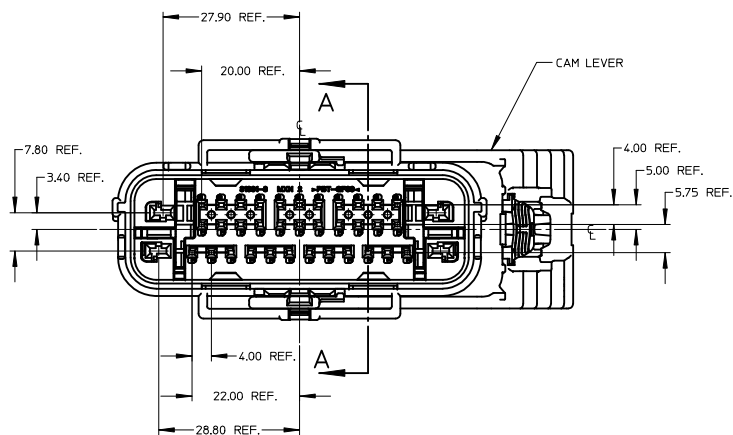
4. FOR USE WITH THE FOLLOWING TERMINALS:
 DELPHI GT280 P/N: 15304720
 (MUST BE LUBRICATED WITH NYOGEL 760G LUBRICANT)
 YAZAKI KAIZEN (CABLE SEALED) P/N: 7116-3703-02 (20 AWG GXL AND TXL)
 7116-3704-02 (18 AWG TXL)
 CONTACT TERMINAL MFR. FOR CRIMP AND CABLE SEAL SPECIFICATIONS.

5. MUST BE USED WITH WIRE SHIELD - MOLEX PART NUMBER 31382-1001. WIRE SHIELD SHIPPED SEPARATELY.

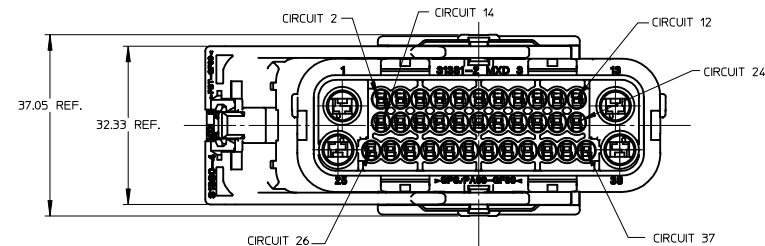
6. CONNECTOR SYSTEM MEETS ALL APPLICABLE REQUIREMENTS OF USCAR-2, REV. 4 EXCEPT:

SECTION 5.4.3 - LEVER ASSISTED MATE FORCE, PRE-LOCK RETENTION. THE FORCE REQUIRED TO UNSEAT THE CONNECTOR FROM ITS PRE-LOCK POSITION IS $\leq 75N$.

SECTION 5.4.5 - TPA ENGAGE FORCE, PRE-LOCK TO FINAL LOCK. THE FORCE TO ENGAGE THE TPA FROM THE PRE-LOCK TO FINAL LOCK IS $\leq 75N$.



SECTION A-A



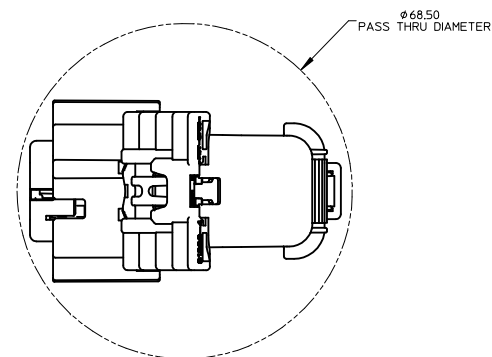
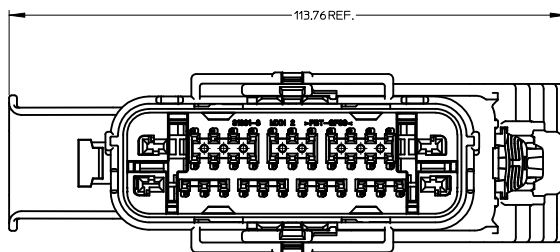
EC NO: UAU2010-1518 DRAWN:MDANIELS 2010/03/08 CHKD:MDANIELS 04/15/2004 APPR: GPRATT 2010/03/09	DESCRIPTION	QUALITY SYMBOLS ▼ - 0 ◁ - 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
						DIMENSION STYLE MM ONLY		TITLE	
						DRAWN BY MHASAN		DATE 04/08/2004	
						CHECKED BY MDANIELS		DATE 04/15/2004	
						APPROVED BY GPRATT		DATE 2010/03/08	
						MATERIAL NO. 313811000		DOCUMENT NO. SD-31381-100	
						SHEET NO. 1 OF 2			
E10	REV		MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

CIRCUIT OPTIONS

[illegible]

BILL OF MATERIAL						
MOLEX ASSY, PART NO.	HOUSING	TPA	CAM LEVER	CPA	PERIPHERAL SEAL	
31381-1000	31381-2000	31381-3000	31380-4000	34585-0002	31193-2000	
31381-1001	31381-2001					
31381-1002	31381-2002					
31381-1003	31381-2003					
31381-1005	31381-2005					
31381-1006	31381-2006					
31381-1009	31381-2009					
31381-1010	31381-2010					
31381-1011	31381-2011					
31381-1012	31381-2012					
31381-1013	31381-2013					
31381-1014	31381-2014					
31381-1015	31381-2015					
31381-1016	31381-2016					
31381-1017	31381-2017					
31381-1018	31381-2018					
31381-1020	31381-2020					

PART VIEWS WITH WIRE SHIELD INSTALLED



EC NO.: UAU2010-1518 DRWN:MDANIELS 2010/03/08 CHKD:MDANIELS 04/15/2004 APPR:GPRATT 2010/03/09	DESCRIPTION REV	QUALITY SYMBOLS ▼ - 0 ▽ - 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
				mm	INCH	DIMENSION STYLE MM ONLY		TITLE		
			4 PLACES	± ---	± ---	DRAWN BY	DATE	38 WAY ABS RECEPTACLE ASSY W/ 2.8 POWER ONLY CCW LVR THROW, SALES DWG		
			3 PLACES	± ---	± ---	MHASAN	04/08/2004			
			2 PLACES	± 0.13	± ---	CHECKED BY	DATE			
			1 PLACE	± 0.25	± ---	MDANIELS	04/15/2004		MOLEX INCORPORATED	
			ANGULAR ± 1 °		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
			DRAFT WHERE APPLICABLE		GPRATT	2010/03/08	313811000	SD-31381-100	2 OF 2	
			MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					D