

Excellent Integrated System Limited

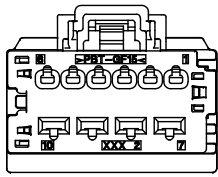
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

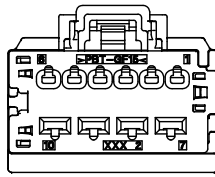
[Molex Connector Corporation](#)
[0313721100](#)

For any questions, you can email us directly:

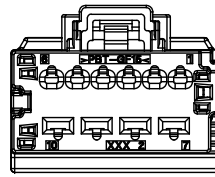
sales@integrated-circuit.com



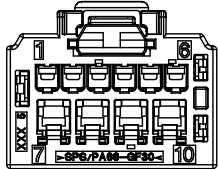
POLARIZATION OPTION A
P/N: 31372-1000



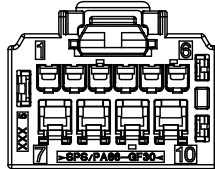
POLARIZATION OPTION B
P/N: 31372-1100



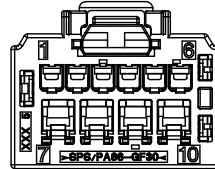
POLARIZATION OPTION C
P/N: 31372-1200



POLARIZATION OPTION A W/ CPA
P/N: 31372-1300



POLARIZATION OPTION B W/ CPA
P/N: 31372-1400



POLARIZATION OPTION C W/ CPA
P/N: 31372-1500



ISOMETRIC VIEWS
SCALE 1:1
(POLARITY A SHOWN)

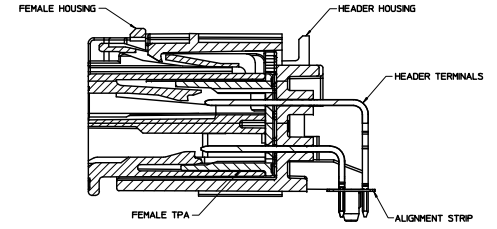
NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- APPLICATION SPECIFICATION SEE: AS-31372-100
 - PRODUCT SPECIFICATION SEE: PS-31372-100
 - PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-931
 - PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: PS-40000-5015
 - DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#19255)
2. DESIGN - MATERIALS:
- SEE BOM TABLE
3. DESIGN - GEOMETRY:
- THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
 - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
 - EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
 - VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)

4. DESIGN - MANUFACTURING:

- TPAa MAY BECOME SEATED DURING TRANSIT, IF THIS OCCURS, REFERENCE MOLEX PRODUCT SPECIFICATION PS-34646-001



ASSEMBLY SECTION

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	APPROVED BY	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
1	INITIAL RELEASE	04/07/2003	SKARLEW	MDANIELS	BBWILSON			1 OF 3
2	REVISION	04/07/2003						
3	REVISION	04/08/2003						
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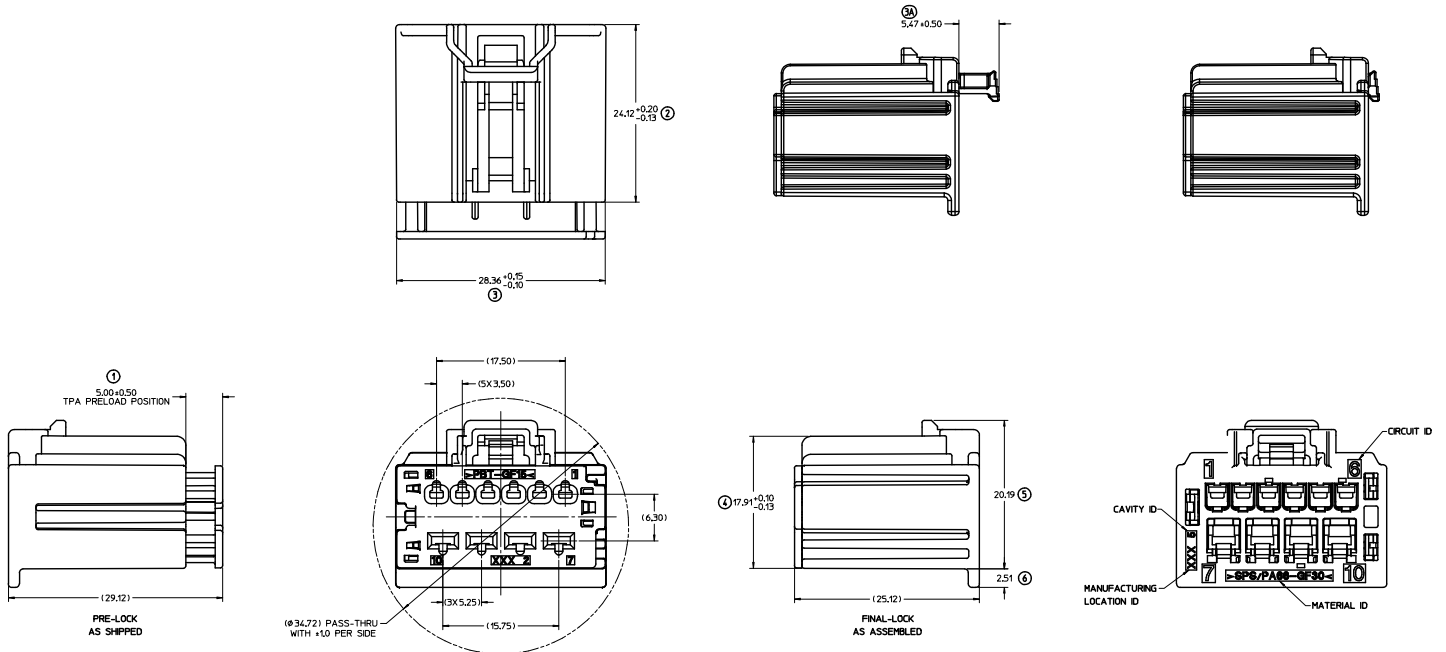
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				4 PLACES ±	4 PLACES ±	SKARLEW	04/07/2003	10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	MDANIELS	04/07/2003	RECEPTICLE ASSEMBLY						
				4 PLACES ±	4 PLACES ±	APPROVED BY	DATE	10 CIRCUIT HYBRID						
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				4 PLACES ±	4 PLACES ±	153 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	154 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	155 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	156 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	157 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	158 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	159 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	160 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	161 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	162 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	163 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	164 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	165 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	166 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	167 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	168 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	169 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	170 OF 3		10 CIRCUIT HYBRID						
				4 PLACES ±	4 PLACES ±	17								

ITEM	DESCRIPTION	COLOR	MOLEX COMPONENTS PART NO.	MATERIAL /SPEC NO	RECYCLING CODE	WEIGHT	NO OF ITEMS REQUIRED			
1	FEMALE HOUSING POL A	BLACK	31372-2000	89992-1440	SPS/PA66-GF30	6.74g	1			
2	FEMALE HOUSING POL B	GRAY	31372-2100	89992-1451	SPS/PA66-GF30	6.73g	1			
3	FEMALE HOUSING POL C	BROWN	31372-2200	89992-1462	SPS/PA66-GF30	6.74g		1		
1	FEMALE CPA HOUSING POL A	BLACK	31372-2300	89992-1440	SPS/PA66-GF30	6.74g			1	
2	FEMALE CPA HOUSING POL B	GRAY	31372-2400	89992-1451	SPS/PA66-GF30	6.73g			1	
3	FEMALE CPA HOUSING POL C	BROWN	31372-2500	89992-1462	SPS/PA66-GF30	6.74g	1	1	1	1
7	TPA	NATURAL	31372-3000	89992-0925	PBT-GF15	1.39g	1	1	1	1
8	CPA	NATURAL	31372-4000	89992-1912	PA66-GF50	1.39g			1	1

MOLEX ASSEMBLY PART NO.'S	MATING COMPONENT		TOOLED
	VERTICAL HEADER	RIGHT ANGLE HEADER	
31372-1000	34695-0100	34696-0100	YES
31372-1100	34695-0101	34696-0101	YES
31372-1200	34695-0102	34696-0102	YES
31372-1300	34695-0100	34696-0100	YES
31372-1400	34695-0101	34696-0101	YES
31372-1500	34695-0102	34696-0102	YES

ITEM	APPLICABLE COMPONENTS			APPLICABLE WIRE SIZE	
	DESCRIPTION	TYPE	SUPPLIER COMPONENTS PART NO.	WIRE GAGE	MAXIMUM INSULATION DIAMETER
1	MOLEX MX150 TERMINAL	Sn	33012-2001	14/16 AWG	2.70mm
2		Sn	33012-2002	18/20 AWG	2.54mm
3		Sn	33012-2003	22 AWG	1.70mm
4		Sn	33012-2004	0.35mmV0.50mm ²	1.70mm
5		Sn	33012-3001	14/16 AWG	2.70mm
6		Sn	33012-3002	18/20 AWG	2.54mm
7		Sn	33012-3003	22 AWG	1.70mm
8	TYCO 2.8 TERMINAL	Sn	33012-3004	0.35mmV0.50mm ²	1.70mm
9		Sn	1326030-4	10/12 AWG	4.04mm
10		Sn	1326030-3	14/16 AWG	2.69mm
11		Sn	1326030-2	18/20 AWG	2.06mm
12	YAZAKI 2.8 TERMINAL	Sn	1326030-1	22 AWG	1.65mm
9		Sn	7116-4112-02	14 AWG	2.69mm
10		Sn	7116-4111-02	16/18 AWG	2.34mm
11		Sn	7116-4110-02	20/22 AWG	1.85mm

ENTER DESCRIPTION EC NO. 04/2005-0831 DRAWN BY: SCHEB01 20/11/25 CHKD: APPROVED: 20/11/26 REV: 01 M6	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- 3 PLACES ± --- 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACE ± --- ANGULAR ± 1° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE 10 CIRCUIT HYBRID RECEPTACLE ASSEMBLY molex	DRAWN BY SKAROLEW CHECKED BY MDANIELS APPROVED BY BBWILSON	DATE 04/07/2003 04/07/2003 04/08/2003	MATERIAL NO. 9999999999	DOCUMENT NO. SD-31372-900	SHEET NO. 2 OF 3
			INCH										
			INCH										
			INCH										
			INCH										
			INCH										
			INCH										
			INCH										
			INCH										
			INCH										



CAPACITY TOOLING		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO. UAN/205-0831	20/11/17	EC NO. UAN/205-0831	20/11/17	4 PLACES ± 0.13	± 0.13	MM ONLY	DATE	4:1	4:1	METRIC	METRIC	THIRD ANGLE PROJECTION	THIRD ANGLE PROJECTION
CHKD: APPR: 20/11/17	20/11/17	CHKD: APPR: 20/11/17	20/11/17	3 PLACES ± 0.25	± 0.25	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	2 PLACES ± 0.25	± 0.25	SKAROLEW	04/07/2003	SKAROLEW	04/07/2003	SKAROLEW	04/07/2003	SKAROLEW	04/07/2003
DATE	DATE	DATE	DATE	1 PLACE ± 0.25	± 0.25	MDANIELS	04/07/2003	MDANIELS	04/07/2003	MDANIELS	04/07/2003	MDANIELS	04/07/2003
DATE	DATE	DATE	DATE	ANGULAR ± 1 °	± 1 °	APPROVED BY	DATE	APPROVED BY	DATE	APPROVED BY	DATE	APPROVED BY	DATE
DATE	DATE	DATE	DATE	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		BBWILSON	04/08/2003	BBWILSON	04/08/2003	BBWILSON	04/08/2003	BBWILSON	04/08/2003
DATE	DATE	DATE	DATE			MATERIAL NO.	DATE	MATERIAL NO.	DATE	MATERIAL NO.	DATE	MATERIAL NO.	DATE
DATE	DATE	DATE	DATE			SEE CHART	DATE	SEE CHART	DATE	SEE CHART	DATE	SEE CHART	DATE
DATE	DATE	DATE	DATE			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DATE