

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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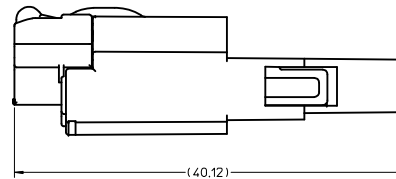
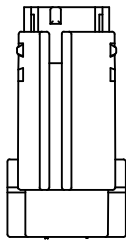
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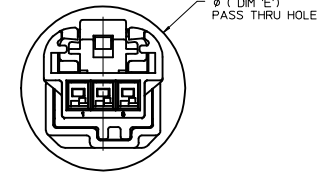
C

B

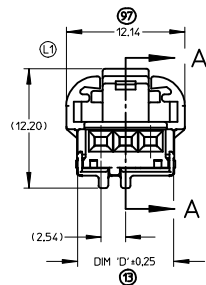
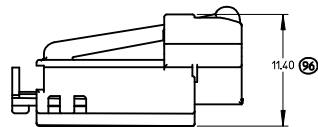
A



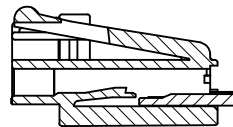
OVERALL MATED LENGTH



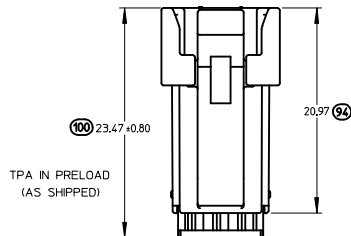
MALE AND FEMALE ASSEMBLY
PASS THRU VIEW
(CAD GENERATED)



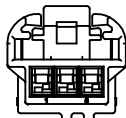
MATING SIDE



SECTION A-A
SCALE 4:1



TPA IN PRELOAD
(AS SHIPPED)



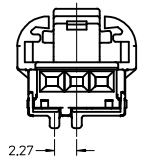
WIRE SIDE

- 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 IN-LINE),
SD-31197-003 (RIGHT ANGLE HEADER), SD-31101-114 (VERTICAL
"WINGED" HEADER), AND SD-31204-003 (VERTICAL HEADER).
 5. TERMINAL PLATING: TIN (Sn) OVERALL, BRITTE FINISH.
THICKNESS = 15 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.

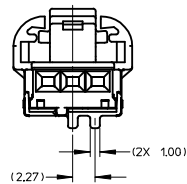
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		mm		INCH		DRAWN BY BDICK01	DATE 6/22/2007	TITLE FEMALE ASSEMBLY CHARTED SALES DRAWING				
		4 PLACES ± ---		± ---		CHECKED BY CDILLON					DATE 6/22/2007	
		3 PLACES ± ---		± ---		APPROVED BY					DATE	
		2 PLACES ± 0.13		± ---								
		1 PLACE ± 0.25		± ---						MOLEX MOLEX INCORPORATED		
		ANGULAR ±1/2°				MATERIAL NO. SEE CHART		DOCUMENT NO. SD-31109-003				SHEET NO. 1 OF 4
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				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

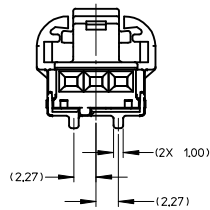
3 WAY
POLARIZATION 'A'



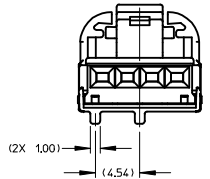
3 WAY
POLARIZATION 'B'



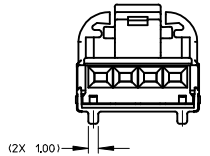
3 WAY
POLARIZATION 'C'



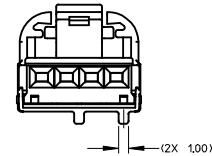
4 WAY
POLARIZATION 'A'



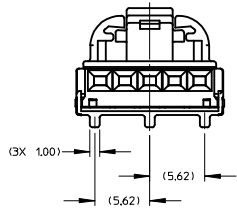
4 WAY
POLARIZATION 'B'



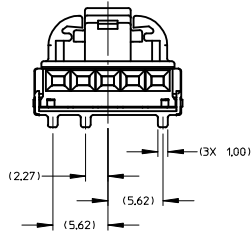
4 WAY
POLARIZATION 'C'



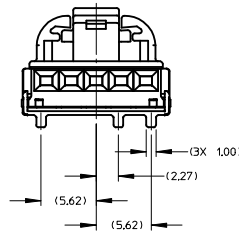
5 WAY
POLARIZATION 'A'



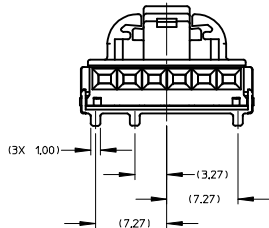
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POLARIZATION 'B'



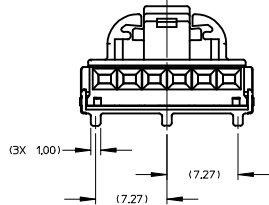
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POLARIZATION 'C'



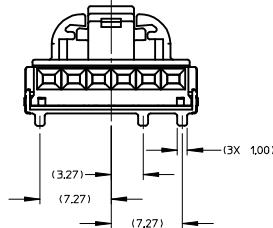
6 WAY
POLARIZATION 'A'



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 XHAS SLOT	INLINE MALE ASSEMBLY W/ XHAS 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 IEC NO. UAU2017-0147 DRAWN/FISHER01 2016/08/17 CHKD: CHYK APPR:RBALMAN 2016/08/17 REV: 62	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table> <tr> <th></th><th>mm</th><th>INCH</th></tr> <tr> <td>4 PLACES ±</td><td>---</td><td>---</td></tr> <tr> <td>3 PLACES ±</td><td>---</td><td>---</td></tr> <tr> <td>2 PLACES ±</td><td>0.13</td><td>---</td></tr> <tr> <td>1 PLACE ±</td><td>0.25</td><td>---</td></tr> </table> ANGULAR ±1/2°		mm	INCH	4 PLACES ±	---	---	3 PLACES ±	---	---	2 PLACES ±	0.13	---	1 PLACE ±	0.25	---	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	mm	INCH																			
4 PLACES ±	---	---																			
3 PLACES ±	---	---																			
2 PLACES ±	0.13	---																			
1 PLACE ±	0.25	---																			
TITLE FEMALE ASSEMBLY CHARTED SALES DRAWING																					
MOLEX INCORPORATED																					
MATERIAL NO. SD-31109-003 DOCUMENT NO. 2 OF 4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					



RECOMMENDED MATING MATERIAL: SPS, 30% GLASS FILLED.



FOR MATING FEMALE PARTS ONLY



0.64 PIN DETAIL
SCALE 8:1
DETAIL FROM
SECTION B-B
ROTATED 90°

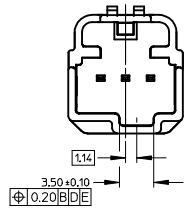
CIRCUIT SIZE	DIM "A"	DIM "B"	DIM "C"	DIM "D"
3	8.89	10.05	10.19	10.11
4	11.20	12.59	12.73	12.65
5	13.74	15.13	15.27	15.19
6	16.28	17.67	17.81	17.73

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

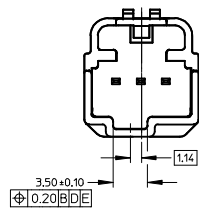
ENTER DESCRIPTION EC NO: J420307-0147 DRAWING: JF5HER01 2016/08/07 CHKD: APPR:BAJMAN 2016/08/07 G2	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± .</td><td>± .</td></tr><tr><td>3 PLACES</td><td>± .</td><td>± .</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>± .</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± .</td></tr></table> ANGULAR ± 1/2°		mm	INCH	4 PLACES	± .	± .	3 PLACES	± .	± .	2 PLACES	± 0.13	± .	1 PLACE	± 0.25	± .	DIMENSION STYLE MM ONLY DRAWN BY DATE BDICKO1 6/22/2007 CHECKED BY DATE CDILLON 6/22/2007 APPROVED BY DATE	SCALE 1:1 DESIGN UNITS METRIC  THIRD ANGLE PROJECTION	TITLE FEMALE ASSEMBLY CHARTED SALES DRAWING
		mm	INCH																	
	4 PLACES	± .	± .																	
	3 PLACES	± .	± .																	
2 PLACES	± 0.13	± .																		
1 PLACE	± 0.25	± .																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	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																			
MOLEX MOLEX INCORPORATED																				

REFERENCE ONLY

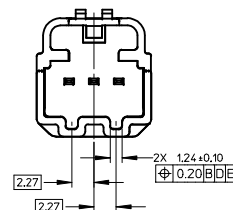
3 WAY
POLARIZATION "A"



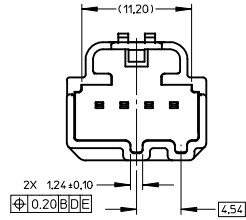
3 WAY
POLARIZATION "B"



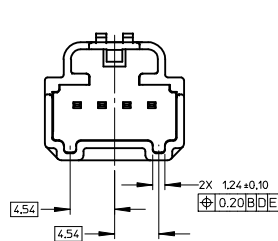
3 WAY
POLARIZATION "C"



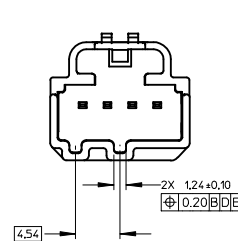
4 WAY
POLARIZATION "A"



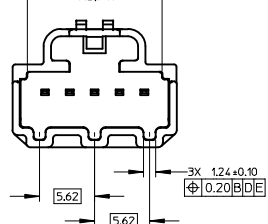
4 WAY
POLARIZATION "B"



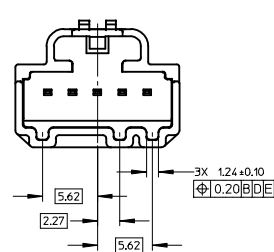
4 WAY
POLARIZATION "C"



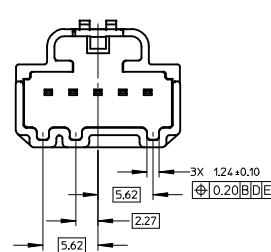
5 WAY
POLARIZATION "A"



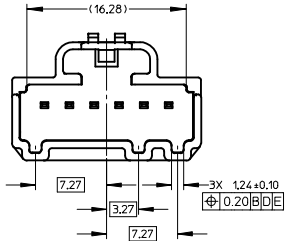
5 WAY
POLARIZATION "B"



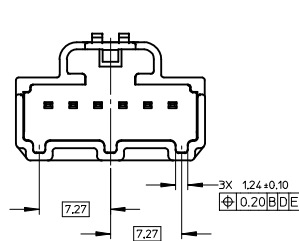
5 WAY
POLARIZATION "C"



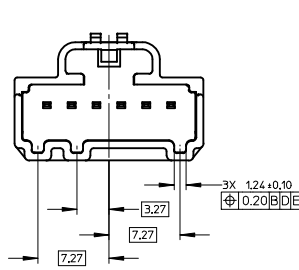
6 WAY
POLARIZATION "A"



6 WAY
POLARIZATION "B"



6 WAY
POLARIZATION "C"



ENTER DESCRIPTION IEC NO: UAU2017-0147 DRAWN: FISCHER 1 2016/08/17 CHKD: APPR: BRAUNMAN 2016/08/17 G2		QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES ±</td> <td>---</td> <td>±---</td> </tr> <tr> <td>3 PLACES ±</td> <td>---</td> <td>±---</td> </tr> <tr> <td>2 PLACES ±</td> <td>0.13</td> <td>±---</td> </tr> <tr> <td>1 PLACE ±</td> <td>0.25</td> <td>±---</td> </tr> </tbody> </table> ANGULAR ±1/2°		mm	INCH	4 PLACES ±	---	±---	3 PLACES ±	---	±---	2 PLACES ±	0.13	±---	1 PLACE ±	0.25	±---	DIMENSION STYLE MM ONLY DRAWN BY: BDI/CK01 DATE: 6/22/2007 CHECKED BY: CDILLON DATE: 6/22/2007 APPROVED BY: _____ DATE: _____	SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION FEMALE ASSEMBLY CHARTED SALES DRAWING MOLEX INCORPORATED MATERIAL NO. _____ DOCUMENT NO. SD-31109-003 SHEET NO. 4 OF 4
	mm	INCH																		
4 PLACES ±	---	±---																		
3 PLACES ±	---	±---																		
2 PLACES ±	0.13	±---																		
1 PLACE ±	0.25	±---																		