

Excellent Integrated System Limited

Stocking Distributor

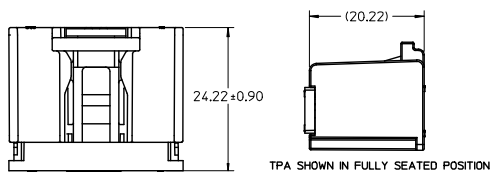
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0307001060](#)

For any questions, you can email us directly:

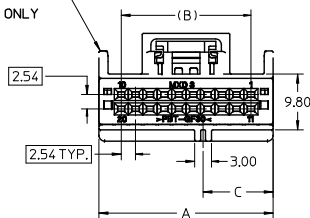
sales@integrated-circuit.com

CONNECTORS WITHOUT BRIDGE OPTION

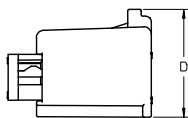


TPA SHOWN IN FULLY SEATED POSITION

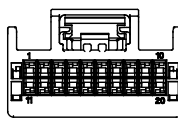
SCOOP PROOF RIBS
FOR CIRCUIT SIZES
14 THROUGH 20 ONLY



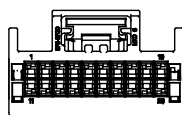
20 CIRCUIT HARNESS
ASSEMBLY SHOWN



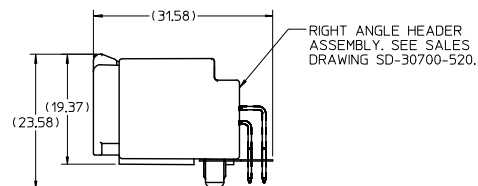
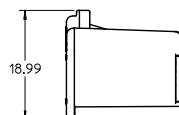
WITH TPA IN PRE-LOAD
(AS SHIPPED)



CONNECTORS WITH BRIDGE OPTION

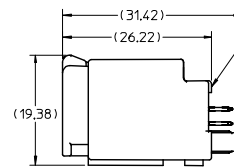


20 CIRCUIT HARNESS
ASSEMBLY SHOWN



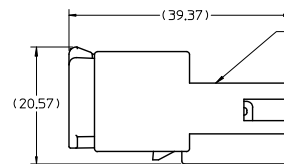
RIGHT ANGLE HEADER
ASSEMBLY, SEE SALES
DRAWING SD-30700-520.

MATED VIEW



VERTICAL HEADER
ASSEMBLY, SEE SALES
DRAWING SD-30700-420.

MATED VIEW



MALE INLINE HARNESS
ASSEMBLY, SEE SALES
DRAWING SD-30968-120.

MATED VIEW

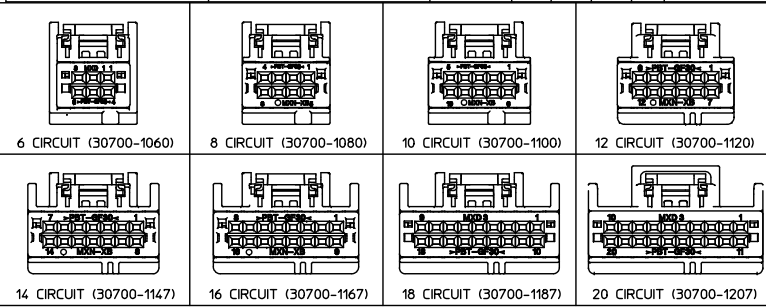
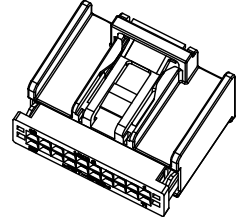
NOTES:

1. MATERIAL: HOUSING: SPS, GLASS FILLED, COLOR: SEE CHART.
TPA: PBT, GLASS FILLED, COLOR: RED.
2. PRODUCT SPECIFICATION: PS-30700-0001
3. PACKAGING SPECIFICATION: PK-30907-417
4. MATES WITH: SERIES 30700 & 30968, SEE SALES DRAWINGS
SD-30700-520, SD-30700-420 & SD-30968-120.

EC NO: UAU2016-0809 DRAWN: HEWITT 2015/11/24 CHKD: APPR: RBAUMAN 2016/01/06 REV H	QUALITY SYMBOLS ▽-0 ▽-0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY			
					DIMENSION STYLE						
					MM ONLY						
					DRAWN BY DATE						
					RCARLSON 01/03/23						
					CHECKED BY DATE						
					CKRISHNA 01/03/27						
		ANGULAR ±1/2°		APPROVED BY DATE		MATERIAL NO. DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE		LGIEB 01/03/28		SEE CHART		SD-30700-120 1 OF 4			
		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						C	

HARNESS HOUSING OPTIONS WITHOUT A BRIDGE OVER THE MAIN LATCH

ASSEMBLY PART NUMBER	POLARIZATION OPTIONS & CIRCUIT SIZE	CIRCUIT SIZE	A REF.	(B)	C	D	HOUSING COLOR	PASS THRU HOLE DIA FOR HARNESS	MATING INTERFACE DIMENSIONS		STATUS
WITHOUT BRIDGE	HARNESS ASSEMBLY (POLARIZATION OPTIONS)								E	F	
30700-1207	POLARIZATION OPTION #1	20	30.69	22.86	12.35	17.79	GRAY	36.5	12.57	31.14	RELEASED
30700-1208	POLARIZATION OPTION #2	20	30.69	22.86	15.35	17.79	BLACK	36.5	15.57	31.14	RELEASED
30700-1209	POLARIZATION OPTION #3	20	30.69	22.86	18.35	17.79	NATURAL (CREAM)	36.5	18.57	31.14	RELEASED
30700-1187	POLARIZATION OPTION #1	18	28.15	20.32	11.08	17.79	GRAY	34.0	11.31	28.60	RELEASED
30700-1188	POLARIZATION OPTION #2	18	28.15	20.32	14.08	17.79	BLACK	34.0	14.31	28.60	RELEASED
30700-1189	POLARIZATION OPTION #3	18	28.15	20.32	17.08	17.79	NATURAL (CREAM)	34.0	17.31	28.60	RELEASED
30700-1167	POLARIZATION OPTION #1	16	25.61	17.78	9.81	17.79	GRAY	32.0	10.04	26.06	RELEASED
30700-1168	POLARIZATION OPTION #2	16	25.61	17.78	12.81	17.79	BLACK	32.0	13.04	26.06	RELEASED
30700-1169	POLARIZATION OPTION #3	16	25.61	17.78	15.81	17.79	NATURAL (CREAM)	32.0	16.04	26.06	RELEASED
30700-1147	POLARIZATION OPTION #1	14	23.07	15.24	8.54	17.79	GRAY	30.0	8.77	23.52	RELEASED
30700-1148	POLARIZATION OPTION #2	14	23.07	15.24	11.54	17.79	BLACK	30.0	11.77	23.52	RELEASED
30700-1149	POLARIZATION OPTION #3	14	23.07	15.24	14.54	17.79	NATURAL (CREAM)	30.0	14.77	23.52	RELEASED
30700-1120	POLARIZATION OPTION #1	12	20.53	12.70	7.25	17.79	GRAY	27.5	7.50	20.98	RELEASED
30700-1121	POLARIZATION OPTION #2	12	20.53	12.70	10.27	17.79	BLACK	27.5	10.50	20.98	RELEASED
30700-1122	POLARIZATION OPTION #3	12	20.53	12.70	13.27	17.79	NATURAL (CREAM)	27.5	13.50	20.98	RELEASED
30700-1100	POLARIZATION OPTION #1	10	17.99	10.16	6.00	17.98	GRAY	26.4	6.23	18.44	RELEASED
30700-1101	POLARIZATION OPTION #2	10	17.99	10.16	9.00	17.98	BLACK	26.4	9.23	18.44	RELEASED
30700-1102	POLARIZATION OPTION #3	10	17.99	10.16	12.00	17.98	NATURAL (CREAM)	26.4	12.23	18.44	RELEASED
30700-1080	POLARIZATION OPTION #1	8	15.45	7.62	4.73	17.98	GRAY	25.5	4.96	15.90	RELEASED
30700-1081	POLARIZATION OPTION #2	8	15.45	7.62	7.73	17.98	BLACK	25.5	7.96	15.90	RELEASED
30700-1082	POLARIZATION OPTION #3	8	15.45	7.62	10.73	17.98	NATURAL (CREAM)	25.5	10.96	15.90	RELEASED
30700-1060	POLARIZATION OPTION #1	6	15.44	5.08	3.46	17.98	GRAY	25.5	3.69	13.36	RELEASED
30700-1061	POLARIZATION OPTION #2	6	15.44	5.08	6.46	17.98	BLACK	25.5	6.69	13.36	RELEASED
30700-1062	POLARIZATION OPTION #3	6	15.44	5.08	9.46	17.98	NATURAL (CREAM)	25.5	9.69	13.36	RELEASED



MATERIAL IDENTIFICATION
SYMBOL

MX - VENDOR IDENTIFICATION (MOLEX)
X - MANUFACTURING LOCATION
(N' FOR LINCOLN, D' FOR AUBURN HILLS)

CIRCUIT NUMBER
IDENTIFICATION

SEE CHART FOR MINIMUM
FEED THROUGH DIAMETER
(1MM CLEARANCE ALL AROUND)

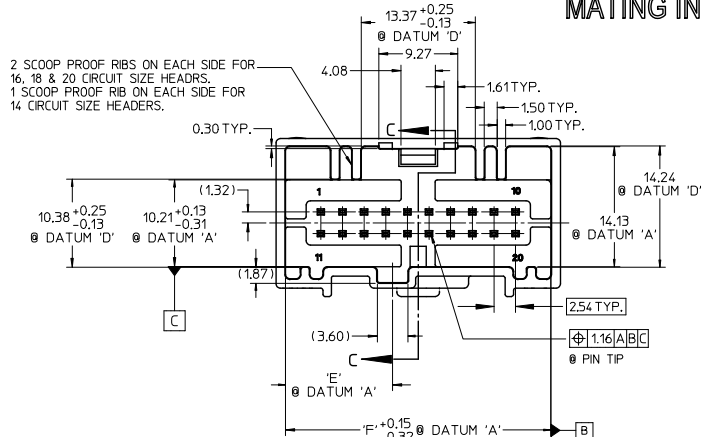
EC NO: UAL2016-0809 DRAWN:HEWITT 2015/11/24 CHKD: APPR:RBAUMAN 2016/01/06 H REV	QUALITY SYMBOLS ▼ - 0 ▽ - 0 DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
				DIMENSION STYLE MM ONLY		TITLE 6-20 CIRCUIT HARNESS ASSEMBLY			
		4 PLACES	± ---	± ---	DRAWN BY RCARLSON	DATE 01/03/23			
		3 PLACES	± ---	± ---	CHECKED BY CKRISHNA	DATE 01/03/27			
		2 PLACES	± 0.13	± ---	APPROVED BY LGEIB		DATE 01/03/28		
		1 PLACE	± 0.25	± ---	MATERIAL NO. SEE CHART DOCUMENT NO. SD-30700-120 SHEET NO. 2 OF 4				
		ANGULAR ± 1/2°							
		DRAFT WHERE APPLICABLE							
		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				C					

HARNESS HOUSING OPTIONS WHICH INCLUDE A PROTECTIVE BRIDGE OVER THE MAIN LATCH

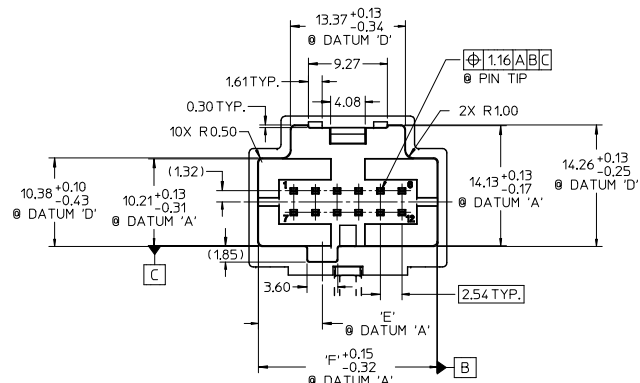
ASSEMBLY PART NUMBER	POLARIZATION OPTIONS & CIRCUIT SIZE			PRODUCT DIMENSIONS					PASS THRU HOLE DIA FOR HARNESS	MATING INTERFACE DIMENSIONS		STATUS
	WITH BRIDGE	HARNESS ASSEMBLY (POLARIZATION OPTIONS)	CIRCUIT SIZE	A REF.	(B)	C	D	HOUSING COLOR		E	F	
31389-1207		POLARIZATION OPTION #1	20	30.69	22.86	12.35	17.79	GRAY	36.5	12.57	31.14	RELEASED
31389-1208		POLARIZATION OPTION #2	20	30.69	22.86	15.35	17.79	BLACK	36.5	15.57	31.14	NOT RELEASED
31389-1209		POLARIZATION OPTION #3	20	30.69	22.86	18.35	17.79	NATURAL (CREAM)	36.5	18.57	31.14	NOT RELEASED
31389-1187		POLARIZATION OPTION #1	18	28.15	20.32	11.08	17.79	GRAY	34.0	11.31	28.60	NOT RELEASED
31389-1188		POLARIZATION OPTION #2	18	28.15	20.32	14.08	17.79	BLACK	34.0	14.31	28.60	NOT RELEASED
31389-1189		POLARIZATION OPTION #3	18	28.15	20.32	17.08	17.79	NATURAL (CREAM)	34.0	17.31	28.60	NOT RELEASED
31389-1167		POLARIZATION OPTION #1	16	25.61	17.78	9.81	17.79	GRAY	32.0	10.04	26.06	NOT RELEASED
31389-1168		POLARIZATION OPTION #2	16	25.61	17.78	12.81	17.79	BLACK	32.0	13.04	26.06	NOT RELEASED
31389-1169		POLARIZATION OPTION #3	16	25.61	17.78	15.81	17.79	NATURAL (CREAM)	32.0	16.04	26.06	NOT RELEASED
31389-1147		POLARIZATION OPTION #1	14	23.07	15.24	8.54	17.79	GRAY	30.0	8.77	23.52	NOT RELEASED
31389-1148		POLARIZATION OPTION #2	14	23.07	15.24	11.54	17.79	BLACK	30.0	11.77	23.52	NOT RELEASED
31389-1149		POLARIZATION OPTION #3	14	23.07	15.24	14.54	17.79	NATURAL (CREAM)	30.0	14.77	23.52	NOT RELEASED
31389-1120		POLARIZATION OPTION #1	12	20.53	12.70	7.25	17.79	GRAY	27.5	7.50	20.98	NOT RELEASED
31389-1121		POLARIZATION OPTION #2	12	20.53	12.70	10.27	17.79	BLACK	27.5	10.50	20.98	NOT RELEASED
31389-1122		POLARIZATION OPTION #3	12	20.53	12.70	13.27	17.98	NATURAL (CREAM)	27.5	13.50	20.98	NOT RELEASED
31389-1100		POLARIZATION OPTION #1	10	17.99	10.16	6.00	17.98	GRAY	26.4	6.23	18.44	NOT RELEASED
31389-1101		POLARIZATION OPTION #2	10	17.99	10.16	9.00	17.98	BLACK	26.4	9.23	18.44	NOT RELEASED
31389-1102		POLARIZATION OPTION #3	10	17.99	10.16	12.00	17.98	NATURAL (CREAM)	26.4	12.23	18.44	NOT RELEASED
31389-1080		POLARIZATION OPTION #1	8	15.45	7.62	4.73	17.98	GRAY	25.5	4.96	15.90	NOT RELEASED
31389-1081		POLARIZATION OPTION #2	8	15.45	7.62	7.73	17.98	BLACK	25.5	7.96	15.90	NOT RELEASED
31389-1082		POLARIZATION OPTION #3	8	15.45	7.62	10.73	17.98	NATURAL (CREAM)	25.5	10.96	15.90	NOT RELEASED
31389-1060		POLARIZATION OPTION #1	6	15.44	5.08	3.46	17.98	GRAY	25.5	3.69	13.36	NOT RELEASED
31389-1061		POLARIZATION OPTION #2	6	15.44	5.08	6.46	17.98	BLACK	25.5	6.69	13.36	NOT RELEASED
31389-1062		POLARIZATION OPTION #3	6	15.44	5.08	9.46	17.98	NATURAL (CREAM)	25.5	9.69	13.36	NOT RELEASED

ENTER DESCRIPTION EC NO: UAU2016-0809 DRAWN BY: CHEN CHKD: APPERBAUMAN 2016/01/06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE 6-20 CIRCUIT HARNESS ASSEMBLY molex SD-30700-120		
		mm	INCH	DRAWN BY R CARLSON	DATE 01/03/23						
		4 PLACES ±	±	CHECKED BY CKR I SHNA	DATE 01/03/27						
		3 PLACES ±	±	APPROVED BY LGE I B	DATE 01/03/28						
		2 PLACES ±	±								
		1 PLACE ±	±								
ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-30700-120				3 OF 4			
SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

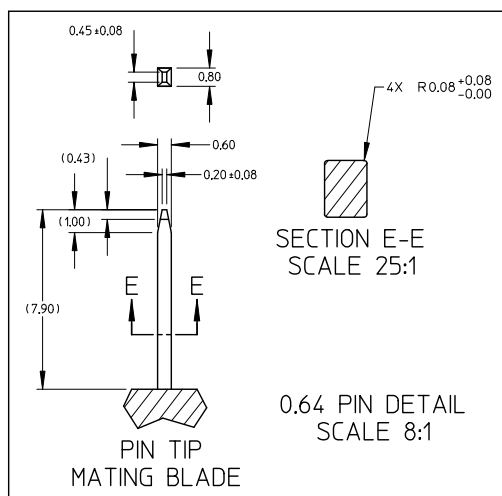
MATING INTERFACE DIMENSIONS (REFERENCE ONLY)



ABOVE VIEW APPLY TO 14, 16, 18 & 20 CIRCUIT ONLY

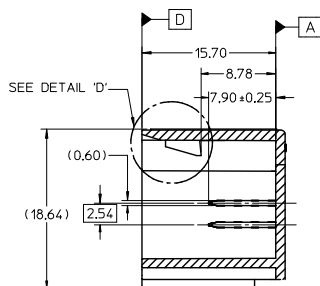


ABOVE VIEW APPLY TO 6, 8, 10 & 12 CIRCUIT ONLY

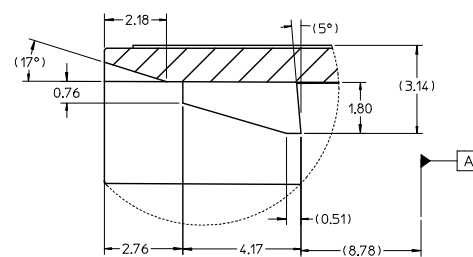


SECTION E-E
SCALE 25:1

0.64 PIN DETAIL
SCALE 8:1



SECTION C-C



DETAIL 'D'
SCALE 10:1

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
			mm	INCH					
0			4 PLACES ±	±		MM ONLY		6-20 CIRCUIT HARNESS ASSEMBLY	
1			3 PLACES ±	±		DRAWN BY DATE			
2			2 PLACES ±	±		RCARLSON01/03/23		MOLEX INCORPORATED	
3			1 PLACE ±	±		CHECKED BY DATE			
4			ANGULAR ± 1/2 °			APPROVED BY DATE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
5			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			LGEB 01/03/28			
6								SHEET NO. 4 OF 4	