

## Excellent Integrated System Limited

Stocking Distributor

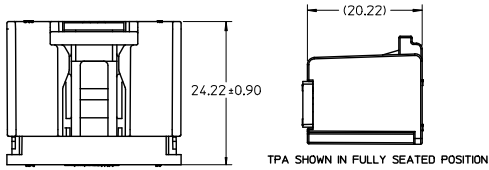
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0307001167](#)

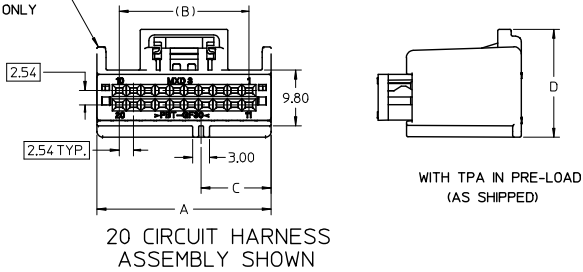
For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

**CONNECTORS WITHOUT BRIDGE OPTION**

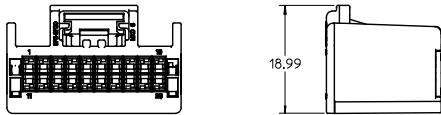


SCOOP PROOF RIBS FOR CIRCUIT SIZES 14 THROUGH 20 ONLY

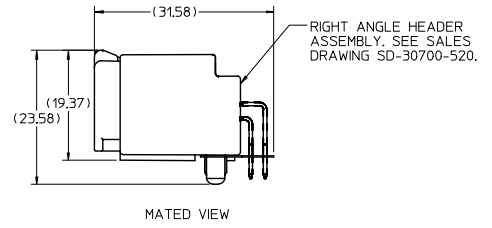


20 CIRCUIT HARNESS ASSEMBLY SHOWN

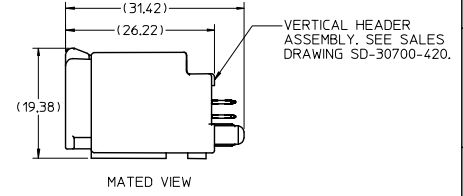
**CONNECTORS WITH BRIDGE OPTION**



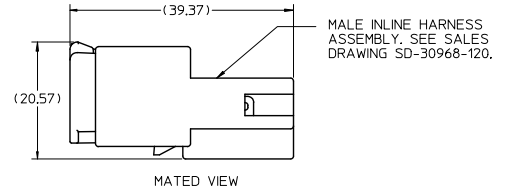
20 CIRCUIT HARNESS ASSEMBLY SHOWN



MATED VIEW



MATED VIEW



MATED VIEW

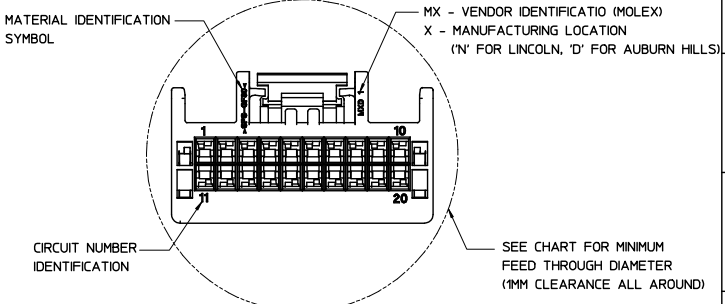
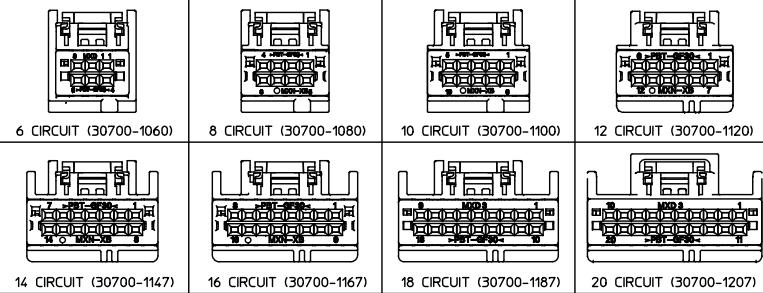
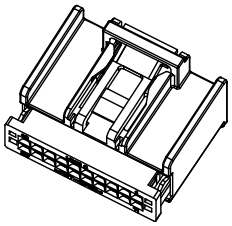
NOTES:

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: UALU2016-0809 DRAWN BY: DRINKHEWITT 2015/11/24 CHKD: APPR: RBAUMAN 2016/01/06 H REV	QUALITY SYMBOLS ▽-0 ▽-0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
		4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.13 ±--- 1 PLACE ±0.25 ±---	DIMENSION STYLE MM ONLY	DRAWN BY: R CARLSON DATE: 01/03/23	TITLE: 6-20 CIRCUIT HARNESS ASSEMBLY			
		ANGULAR ±1/2°	CHECKED BY: CKRISHNA DATE: 01/03/27	MOLEX INCORPORATED				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APPROVED BY: LG EIB DATE: 01/03/28	MATERIAL NO. SEE CHART DOCUMENT NO. SD-30700-120 SHEET NO. 1 OF 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

HARNESS HOUSING OPTIONS WITHOUT A BRIDGE OVER THE MAIN LATCH

ASSEMBLY PART NUMBER	POLARIZATION OPTIONS & CIRCUIT SIZE	CIRCUIT SIZE	PRODUCT DIMENSIONS				HOUSING COLOR	PASS THRU HOLE DIA FOR HARNESS	MATING INTERFACE DIMENSIONS		STATUS
			A REF.	(B)	C	D			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



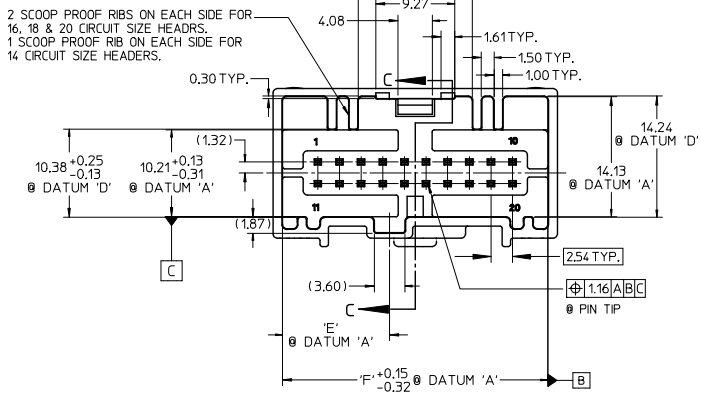
EC NO: UAU2016-0809 DRAWN: HEWITT 2015/11/24 CHKD: APPR: RBAUMAN 2016/01/06 H REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
	▽ - 0	mm INCH	DIMENSION STYLE MM ONLY			
	▽ / 0	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 1/2°	DRAWN BY R. CARLSON DATE 01/03/23 CHECKED BY C. KRISHNA DATE 01/03/27 APPROVED BY L. GEIB DATE 01/03/28	TITLE 6-20 CIRCUIT HARNESS ASSEMBLY		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART DOCUMENT NO. SD-30700-120 SHEET NO. 2 OF 4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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

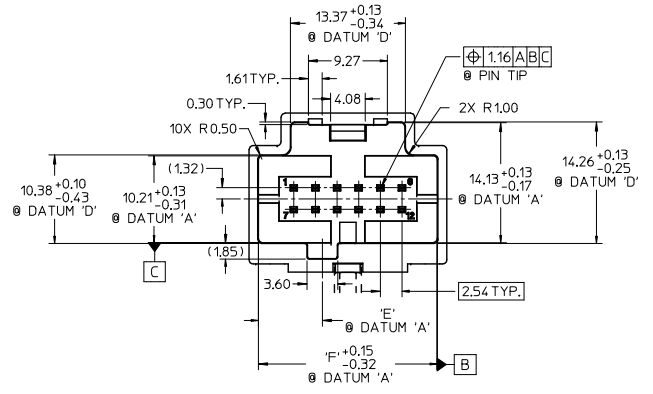
ASSEMBLY PART NUMBER	POLARIZATION OPTIONS & CIRCUIT SIZE	PRODUCT DIMENSIONS						PASS THRU HOLE DIA FOR HARNESS	MATING INTERFACE DIMENSIONS		STATUS
		WITH BRIDGE	HARNES ASSEMBLY (POLARZIATION OPTIONS)	CIRCUIT SIZE	A REF.	(B)	C		D	HOUSING COLOR	
31389-1207	POLARIZATION OPTION #1	20	30.69	22.86	12.35	17.79	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: 0402016-0809 DRAWN BY: H CHKD: APPR:BAUMAN DATE: 2015/11/24 2016/01/06 DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	▽=0	4 PLACES ± --- ± ---	MM ONLY	1:1	METRIC	☉	
	▽=0	3 PLACES ± --- ± ---	mm INCH	DRAWN BY: R CARLSON	DATE: 01/03/23	TITLE	
	▽=0	2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	CHECKED BY: CKR I SHNA	DATE: 01/03/27	6-20 CIRCUIT HARNES ASSEMBLY	
		0 PLACE ± ±	APPROVED BY: LGE I B	DATE: 01/03/28	molex		
		ANGULAR ±1/2°	MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	SD-30700-120	3 OF 4		
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

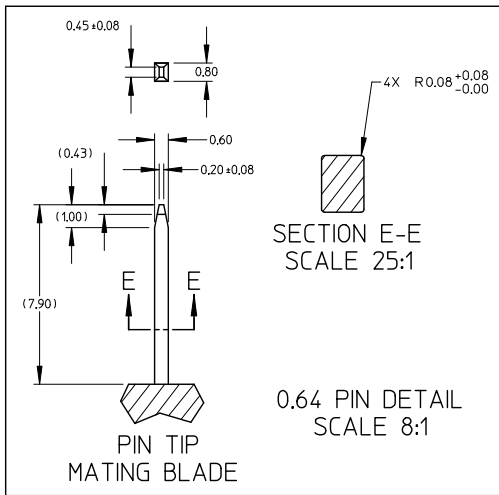
### MATING INTERFACE DIMENSIONS (REFERENCE ONLY)



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

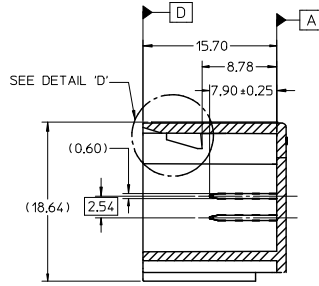


ABOVE VIEW APPLY TO 6, 8, 10 & 12 CIRCUIT ONLY

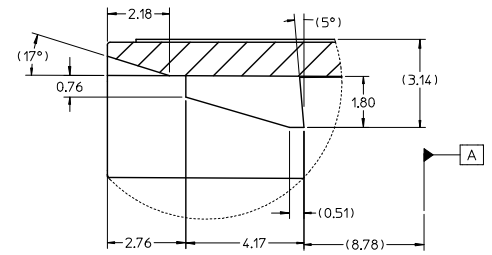


SECTION E-E  
SCALE 25:1

0.64 PIN DETAIL  
SCALE 8:1



SECTION C-C



DETAIL 'D'  
SCALE 10:1

EC NO: HAU2016-0809 DRINKREWITT 2015/11/24 CHK: RBAUMAN APPR: MKNACK 2016/01/06	QUALITY SYMBOLS ▽ - 0 ▽ - 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
		mm	INCH	DIMENSION STYLE MM ONLY	MOLEX INCORPORATED	6-20 CIRCUIT HARNESS ASSEMBLY
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	DRAWN BY DATE RCARLSON 01/03/23		
		2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	CHECKED BY DATE CKRISHNA 01/03/27		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 1/2 °	APPROVED BY DATE LGIEIB 01/03/28	MATERIAL NO. DOCUMENT NO. SD-30700-120	SHEET NO. 4 OF 4	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						