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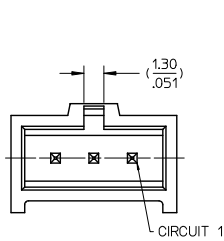
[Molex Connector Corporation](#)
[0901361205](#)

For any questions, you can email us directly:

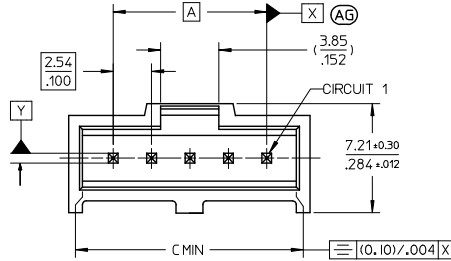
sales@integrated-circuit.com

10 9 8 7 6 5 4 3 2 1

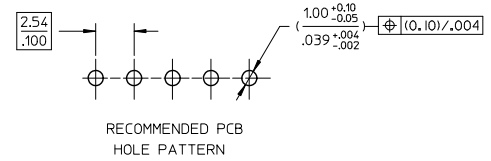
THROUGH HOLE VERSION (STRAIGHT ASSEMBLY)



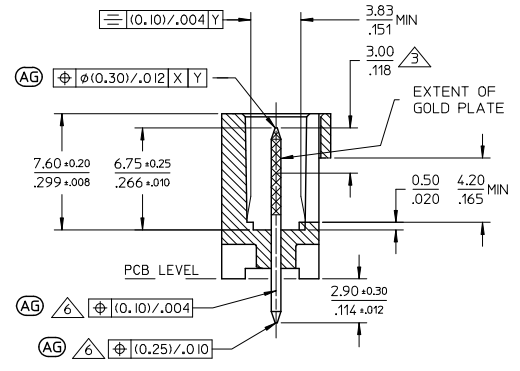
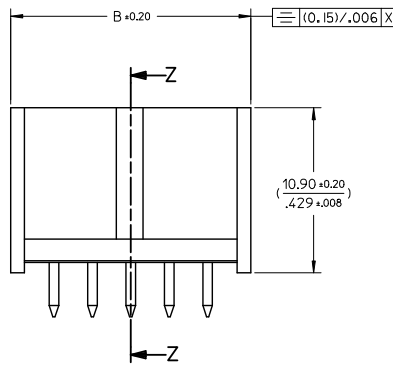
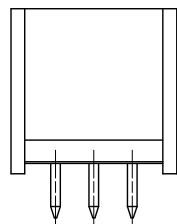
1 TO 3 CIRCUITS



4 TO 32 CIRCUITS



RECOMMENDED PCB
HOLE PATTERN



SECTION Z-Z

NOTES :

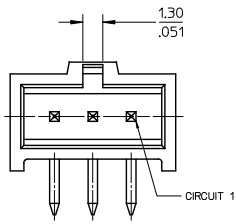
1. MATERIALS :
- PIN : (0.650) / .0255 SQ. BRASS WIRE.
- HOUSING : 15% GLASS FILLED POLYESTER
- UL 94V-0 COLOR BLACK
2. FOR PLATING VERSIONS, SEE SHEET 2.
3. MEASUREMENT POINT FOR MINIMUM PLATING THICKNESS.
4. PRODUCT SPEC: PS-99020-0001
5. RECOMMENDED PCB THICKNESS 1.6mm
6. SOLDER TAIL TO BE GAUGED.

AG

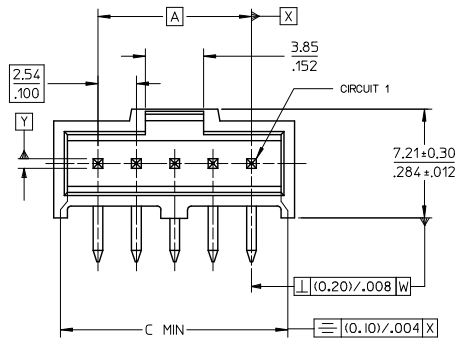
UPDATE DRAWING		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: S2016-0416	2015/10/30	DRWN:GGH	2015/11/04	mm	INCH	MM/IN	DATE	NTS	METRIC	C-GRID III SINGLE ROW STRAIGHT SHROUDED HEADER		molex	
CHKD:SEANG	2015/11/05	APPR:KHLIM		4 PLACES ±---	±---	DRAWN BY KS	1987/10/30						
				3 PLACES ±---	±.004	CHECKED BY BENRIGT	2002/08/15			SDA-90136		SHEET NO. 1 OF 3	
				2 PLACES ±0.10	±---	APPROVED BY MLONG	2011/04/15						
				1 PLACE ±---	±---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-90136		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
				0 PLACE ±	±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				ANGULAR ±1/2°		SIZE A3							

9 8 7 6 5 4 3 2 1

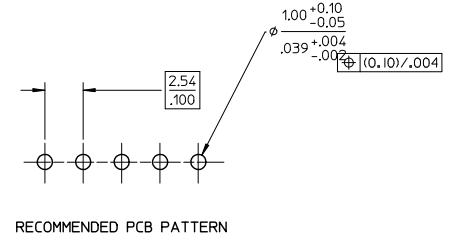
RIGHT ANGLE VERSION



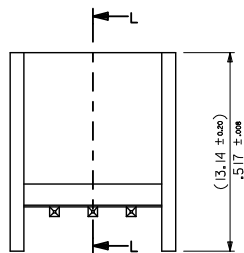
1 TO 3 CIRCUITS



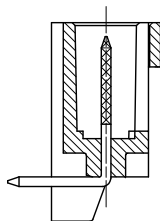
4 TO 32 CIRCUITS



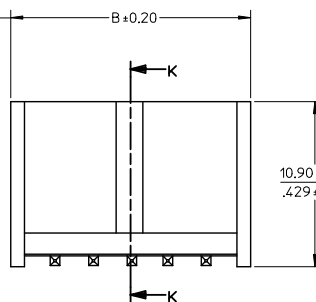
RECOMMENDED PCB PATTERN



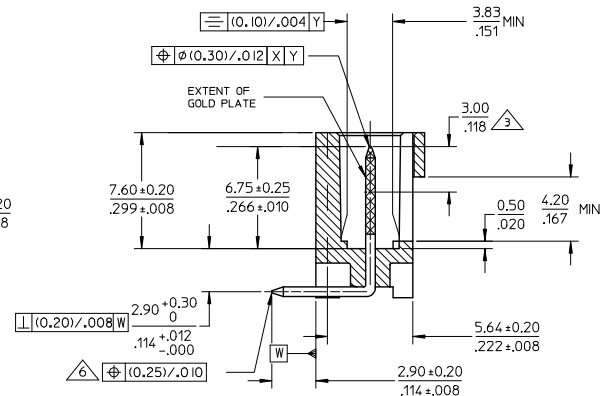
1 TO 6 CIRCUITS



SECTION L-L

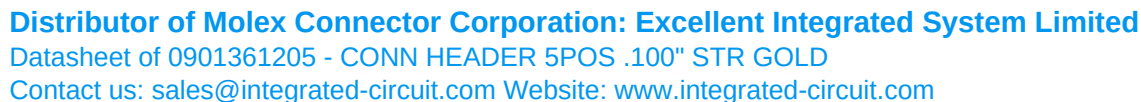


7 TO 32 CIRCUITS



SECTION K-K

UPDATE DRAWING		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: S2016-0416	2015/10/30	DRWN:GGH	2015/11/04	CHKD:ENG	2015/11/05	APPR:KHL	2015/11/05	NTS	MM/IN	METRIC			
4 PLACES ±---		4 PLACES ±---		4 PLACES ±---		DRAWN BY		DATE		TITLE		C-GRID III SINGLE ROW STRAIGHT SHROUDED HEADER	
3 PLACES ±---		3 PLACES ±---		3 PLACES ±---		CHECKED BY		DATE		MATERIAL NO.		DOCUMENT NO.	
2 PLACES ±0.10		2 PLACES ±0.10		2 PLACES ±0.10		BENRIGHT		2002/08/15		SEE TABLE		SDA-90136	
1 PLACE ±---		1 PLACE ±---		1 PLACE ±---		APPROVED BY		DATE		SIZE		SHEET NO.	
0 PLACE ±		0 PLACE ±		0 PLACE ±		MLONG		2011/04/15		A3		2 OF 3	
ANGULAR ±1/2°		ANGULAR ±1/2°		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			



		10		9		8		7		6		5		4		3		2		1	
F	CKTS	ASSEMBLY P/N		DIM A		DIM B		DIM C													
	1	90136-**-01		-		(5.89)/.232		(4.06)/.160													
	2	90136-**-02		(2.54)/.100		(8.43)/.332		(6.60)/.260													
	3	90136-**-03		(5.08)/.200		(10.97)/.432		(9.14)/.360													
	4	90136-**-04		(7.62)/.300		(13.51)/.532		(11.68)/.460													
	5	90136-**-05		(10.16)/.400		(16.05)/.632		(14.22)/.560													
	6	90136-**-06		(12.70)/.500		(18.59)/.732		(16.76)/.660													
E	7	90136-**-07		(15.24)/.600		(21.13)/.832		(19.30)/.760													
	8	90136-**-08		(17.78)/.700		(23.67)/.932		(21.84)/.860													
	9	90136-**-09		(20.32)/.800		(26.21)/1.032		(24.38)/.960													
	10	90136-**-10		(22.86)/.900		(28.75)/1.132		(26.92)/1.060													
	11	90136-**-11		(25.4)/1.000		(31.29)/1.232		(29.46)/1.160													
	12	90136-**-12		(27.94)/1.100		(33.83)/1.332		(32.00)/1.260													
	13	90136-**-13		(30.48)/1.200		(36.37)/1.432		(34.54)/1.360													
D	14	90136-**-14		(33.02)/1.300		(38.91)/1.532		(37.08)/1.460													
	15	90136-**-15		(35.56)/1.400		(41.45)/1.632		(39.62)/1.560													
	16	90136-**-16		(38.10)/1.500		(43.99)/1.732		(42.16)/1.660													
	17	90136-**-17		(40.64)/1.600		(46.53)/1.832		(44.70)/1.760													
	18	90136-**-18		(43.18)/1.700		(49.07)/1.932		(47.24)/1.860													
	19	90136-**-19		(45.72)/1.800		(51.61)/2.032		(49.78)/1.960													
	20	90136-**-20		(48.26)/1.900		(54.15)/2.132		(52.32)/2.060													
C	21	90136-**-21		(50.80)/2.000		(56.69)/2.232		(54.86)/2.160													
	22	90136-**-22		(53.34)/2.100		(59.23)/2.332		(57.40)/2.260													
	23	90136-**-23		(55.88)/2.200		(61.77)/2.432		(59.94)/2.360													
	24	90136-**-24		(58.42)/2.300		(64.31)/2.532		(62.48)/2.460													
	25	90136-**-25		(60.96)/2.400		(66.85)/2.632		(65.02)/2.560													
	26	90136-**-26		(63.50)/2.500		(69.39)/2.732		(67.56)/2.660													
	27	90136-**-27		(66.04)/2.600		(71.93)/2.832		(70.10)/2.760													
B	28	90136-**-28		(68.58)/2.700		(74.47)/2.932		(72.64)/2.860													
	29	90136-**-29		(71.12)/2.800		(77.01)/3.032		(75.18)/2.960													
	30	90136-**-30		(73.66)/2.900		(79.55)/3.132		(77.72)/3.060													
	31	90136-**-31		(76.20)/3.000		(82.09)/3.232		(80.26)/3.160													
	32	90136-**-32		(78.74)/3.100		(84.63)/3.332		(82.80)/3.260													
	NOTES 6. FOR PLATING DETAILS SEE SDES 99000-0003 90136 - X X X X INDICATES NO. OF CIRCUITS PLATING 1 - TYPE A 2 - TYPE E 3 - TYPE F 4 - TYPE G STYLE - 1 - STRAIGHT ASSEMBLY STYLE - 2 - RIGHT ANGLE ASSEMBLY STYLE - 5 - STRAIGHT ASSEMBLY WITH VOIDS STYLE - 7 - NON STANDARD PRODUCT 7. PLATING TYPES 1 - TYPE A TIN 3.04µm MIN. OVER 1.27 - 2.54µm NICKEL. 2 - TYPE E GOLD STRIPE 0.38 - 0.64µm IN SELECTED AREA (2 SIDES) & 3.04µm MIN TIN IN SELECTED AREA OVER 1.3 - 1.78µm NICKEL OVERALL. 3 - TYPE F GOLD STRIPE 0.762 - 1.02µm IN SELECTED AREA (2 SIDES) & 3.04µm MIN TIN IN SELECTED AREA OVER 1.3 - 1.78µm NICKEL OVERALL. 4 - TYPE G SELECTIVE GOLD PLATE. GOLD FLASH 0.05 - 0.10µm IN SELECTED AREA AND 3.04µm MIN - 5.04µm MAX TIN IN SELECTED AREA OVER 1.3 - 2.54µm NICKEL OVERALL.																				
	A	UPDATE DRAWING EC NO. S2016-0416 DRAWN:GDH 2015/10/30 CHKD:ANG 2015/11/04 APPR:JHL IN 2015/11/05		QUALITY SYMBOLS ✓=0 ✓=0 ✓=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .004 2 PLACES ± 0.10 ± --- 1 PLACE ± --- ± --- 0 PLACE ± ±	DIMENSION STYLE MM/IN DRAWN BY DATE KS 1987/10/30 CHECKED BY DATE BENRIGHT 2002/08/15 APPROVED BY DATE MLONG 2011/04/15	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	C-GRID III SINGLE ROW STRAIGHT SHROUDED HEADER											
AG		DESCRIPTION REV	ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE	DOCUMENT NO. SDA-90136	SHEET NO. 3 OF 3															
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					
b_frame_A3_P_AM-T Rev. G 2012/01/11		9	8	7	6	5	4	3	2	1											