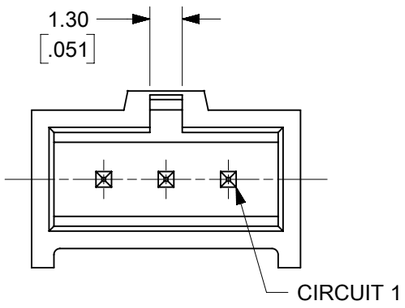
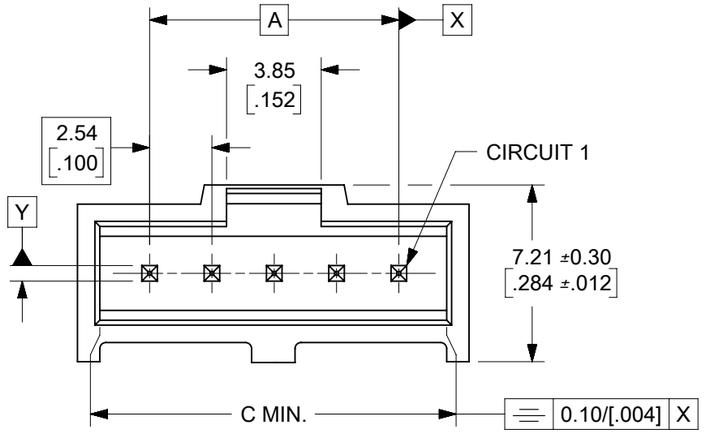
THE DATASHEET OF

901361203

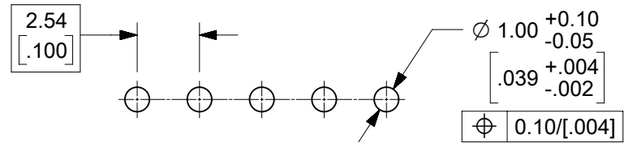
THROUGH HOLE VERSION (STRAIGHT ASSEMBLY)



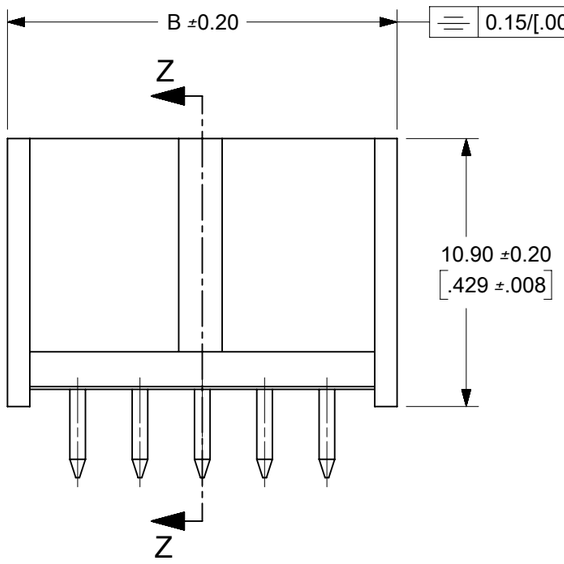
1 TO 3 CIRCUITS

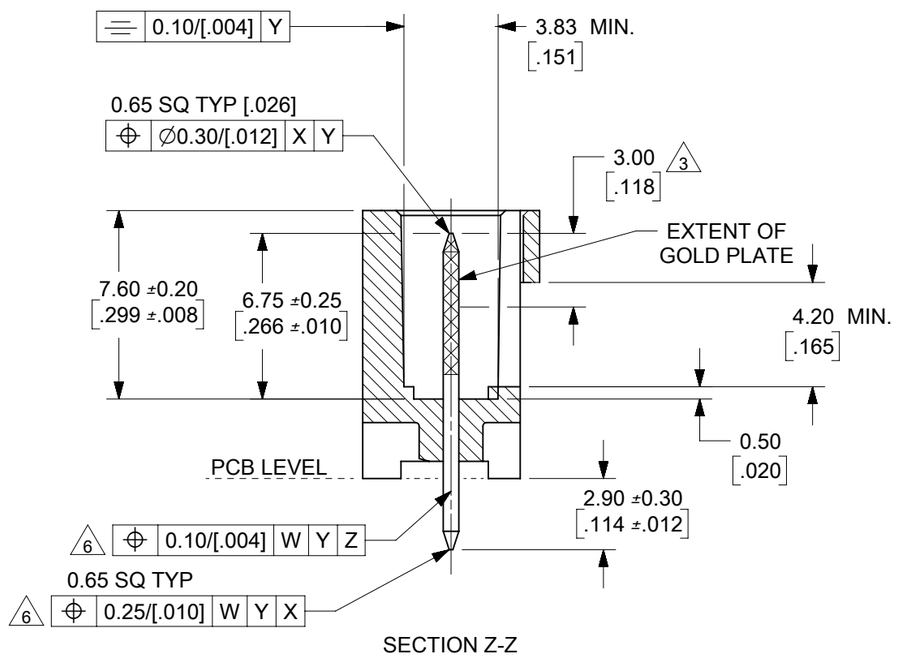


4 TO 32 CIRCUITS



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

AG 6. SOLDER TAIL TO BE GAUGED.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
MM/INCH	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.004
2 PLACES	± 0.1	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: MIGRATED TO NX

EC NO: 624936
DRWN: ABABUPS 2019/09/27
CHK'D: MRAMAKRISHNA 2019/10/01
APPR: MRAMAKRISHNA 2019/10/01

INITIAL REVISION:
DRWN: KS 1987/10/30
APPR: MLONG 2011/04/15

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 90136

molex

C-GRID III SINGLE ROW
STRAIGHT SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

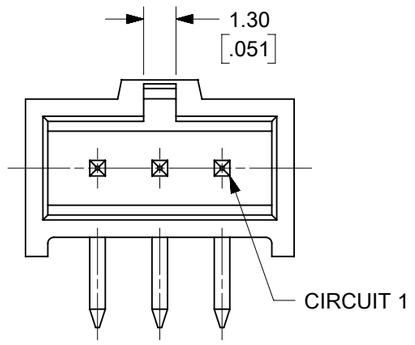
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SDA-90136	PSD	001	AH2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 3

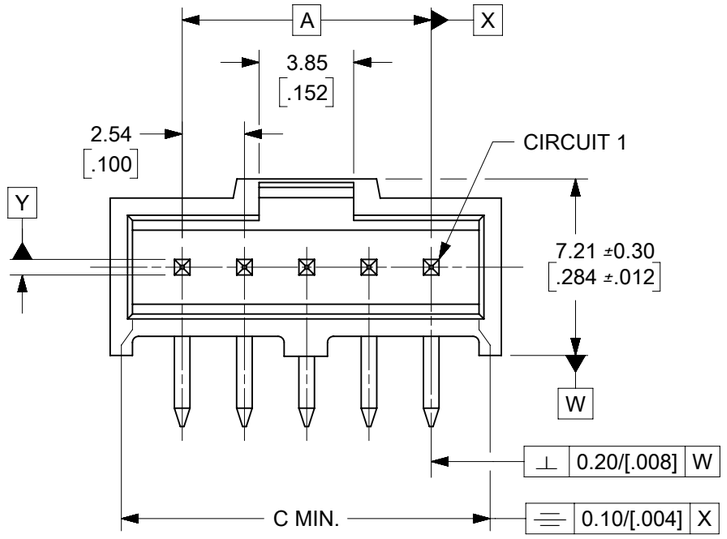
DOCUMENT STATUS	P1	RELEASE DATE	2019/10/01 09:10:18

FORMAT: Mel-latex-header-ifb-prod-A3
REVISION: D
DATE: 2018/01/16

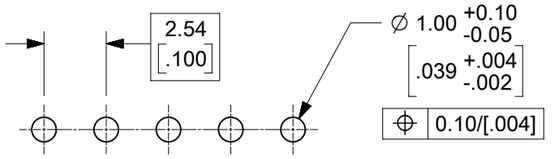
RIGHT ANGLE VERSION



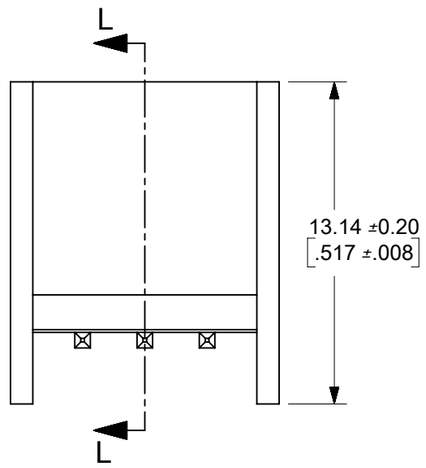
1 TO 3 CIRCUIT



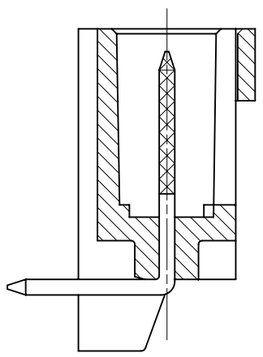
4 TO 32 CIRCUITS



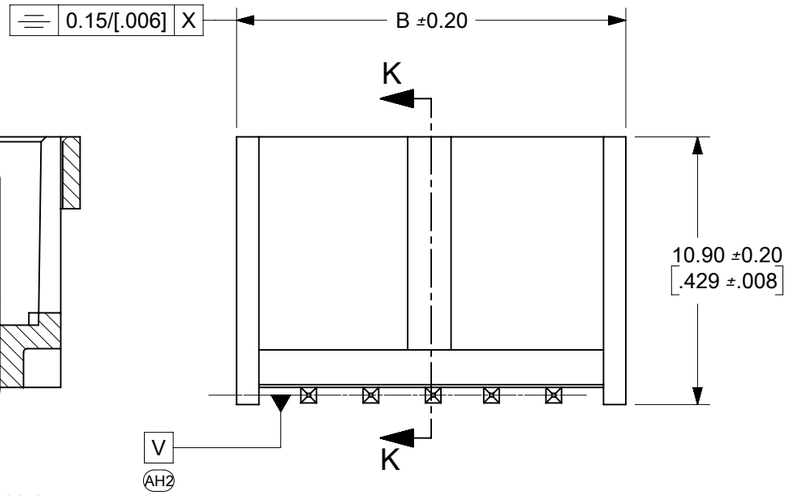
RECOMMENDED PCB PATTERN



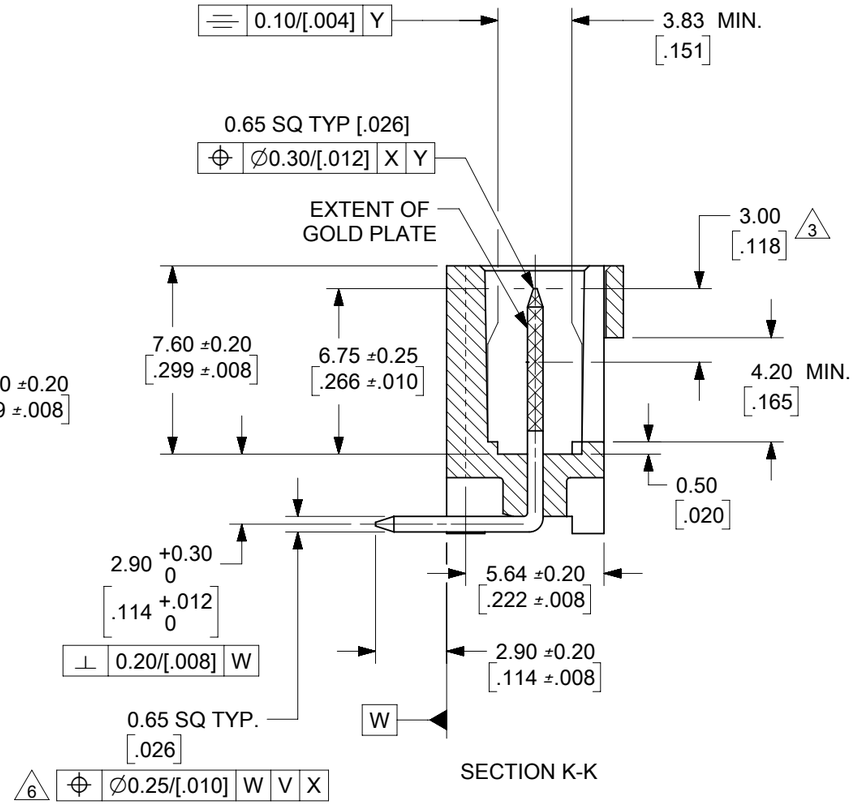
1 TO 6 CIRCUITS



SECTION L-L



7 TO 32 CIRCUITS



SECTION K-K

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	MM/INCH
SCALE	NTS
GENERAL TOLERANCES (UNLESS SPECIFIED)	MM / INCH
4 PLACES	± / ±
3 PLACES	± / ± 0.004
2 PLACES	± 0.1 / ±
1 PLACE	± / ±
0 PLACES	± / ±
ANGULAR TOL	± 0.5 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: MIGRATED TO NX

EC NO:	624936	
DRWN:	ABABUPS	2019/09/27
CHK'D:	MRAMAKRISHNA	2019/10/01
APPR:	MRAMAKRISHNA	2019/10/01
INITIAL REVISION:		
DRWN:	KS	1987/10/30
APPR:	MLONG	2011/04/15

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 90136

molex

C-GRID III SINGLE ROW
STRAIGHT SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SDA-90136	PSD	001	AH2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/01 09:10:18

FORMAT: Mel-jasper-folder-tb-prod-A3
REVISION: D
DATE: 2018/01/15

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]
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]
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]
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]
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 3.0µm MIN. OVER 1.27 - 2.54µm NICKEL.

2 - TYPE E
GOLD STRIPE 0.38 - 0.64µm IN SELECTED AREA
(2 SIDES) & 3.0µm 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) & 3.0µm 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 3.0µm MIN - 5.0µm MAX TIN IN SELECTED AREA
OVER 1.3 - 2.5µm NICKEL OVERALL.

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DIMENSION UNITS	SCALE
MM/INCH	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

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3 PLACES	±	± 0.004
2 PLACES	± 0.1	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: MIGRATED TO NX

EC NO:	624936	
DRWN:	ABABUPS	2019/09/27
CHK'D:	MRAMAKRISHNA	2019/10/01
APPR:	MRAMAKRISHNA	2019/10/01

INITIAL REVISION:

DRWN:	KS	1987/10/30
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THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 90136

molex

C-GRID III SINGLE ROW
STRAIGHT SHROUDED HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SDA-90136	PSD	001	AH2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/01 09:10:18

FORMAT: Mel-Jaw-Header-tb-prod-A3
REVISION: D
DATE: 2018/01/15

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