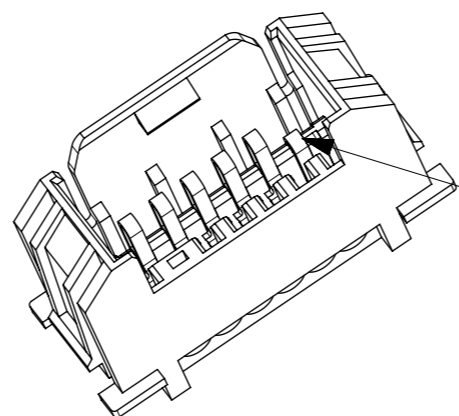
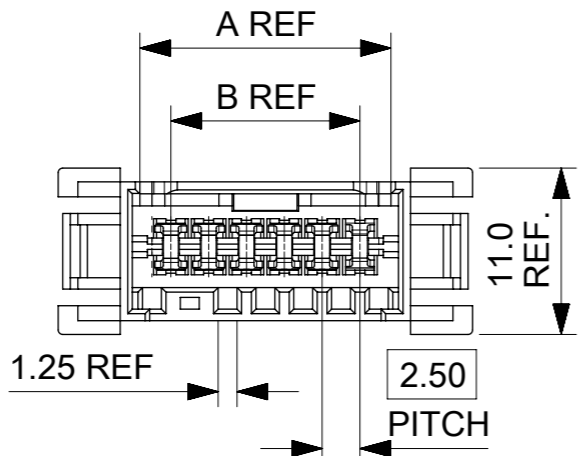
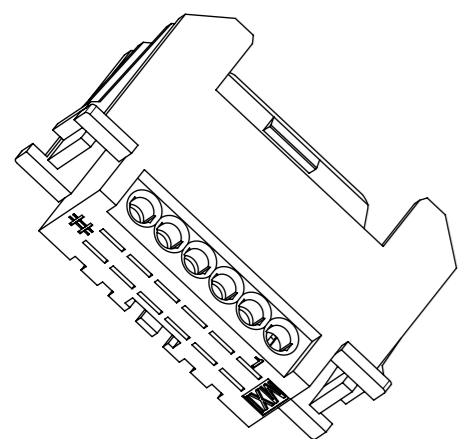
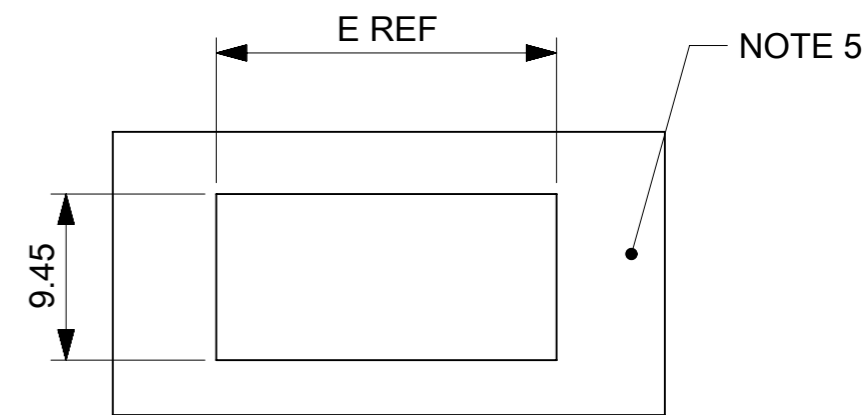
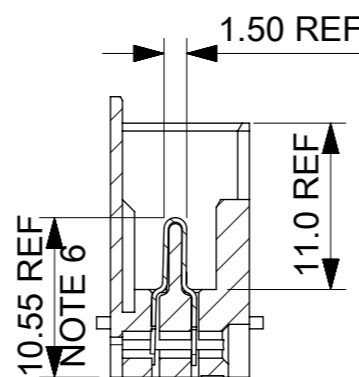
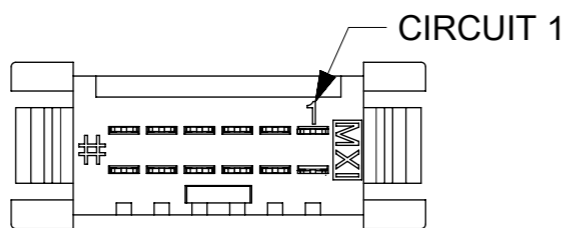
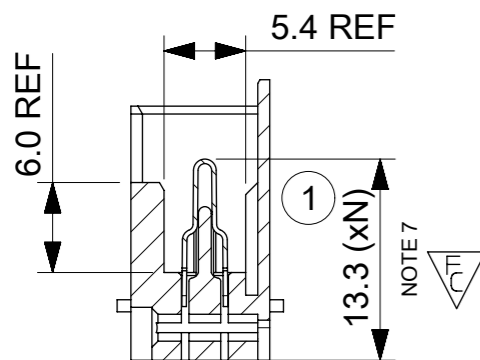
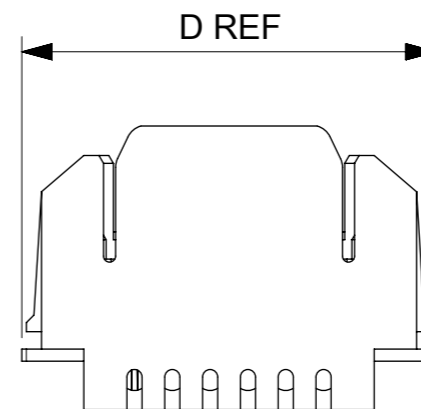
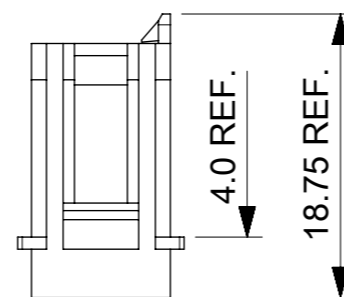
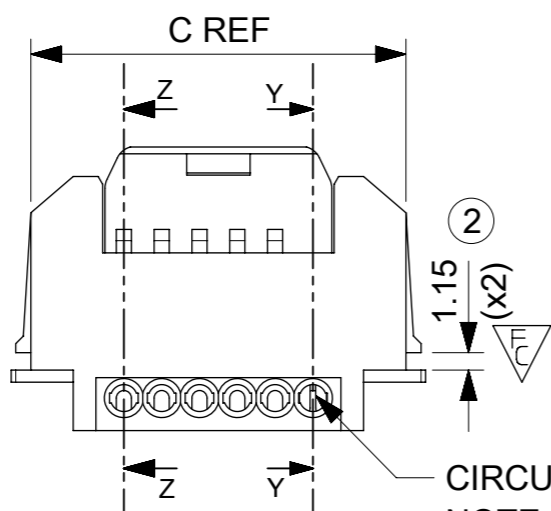
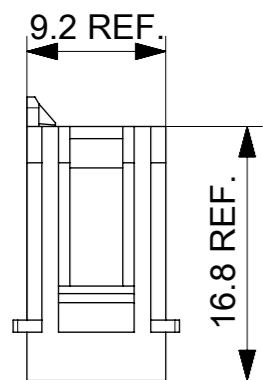


6 CIRCUIT CONNECTOR SHOWN



CKT	A	B	C	D	E
2	7.6	2.5	14.8	17.4	15
3	10.1	5.0	17.3	19.9	17.5
4	12.6	7.5	19.8	22.4	20.0
5	15.1	10.0	22.3	24.9	22.5
6	17.6	12.5	24.8	27.4	25.0
7	20.1	15.0	27.3	29.9	27.5
8	22.6	17.5	29.8	32.4	30.0
9	25.1	20.0	32.3	34.9	32.5
10	27.6	22.5	34.8	37.4	35.0
11	30.1	25.0	37.3	39.9	37.5
12	32.6	27.5	39.8	42.4	40.0
13	35.1	30.0	42.3	44.9	42.5
14	37.6	32.5	44.8	47.4	45.0
15	40.1	35.0	47.3	49.9	47.5



SECTION Z-Z

SECTION Y-Y

RECOMMENDED PANEL OPENING

- NOTES:
- MATERIALS
HOUSING: POLYAMIDE 6 (PA6)
UL94-V2. COLOUR NATURAL
TERMINAL: COPPER ALLOY
PLATING: PRE PLATED HOT TIN DIP
 - PRODUCT CONFORMS TO SPECIFICATION PS-99020-0090.
 - MATES WITH RAST 2.5 APPLIMATE FEMALE CONNS.
 - SEE PACKAGING PK-93422-001
 - CONNECTOR DESIGNED FOR USE WITH PANEL 0.80MM TO 0.90MM THICKNESS.
 - TERMINATED HEIGHT. CIRCUIT 1 SHOWN IN TERMINATED POSITION ONLY FOR PURPOSE OF DIMENSIONING TERMINATED HEIGHT POSITION.
 - TERMINAL PRE-TERMINATED HEIGHT. N=NUMBER OF CIRCUITS.
 - SEE APPLICATION SPEC AS-99033-010.
 - CONNECTOR DESIGNED TO RAST 2.5 STANDARD.

LAST INSPECTION NUMBER: 2

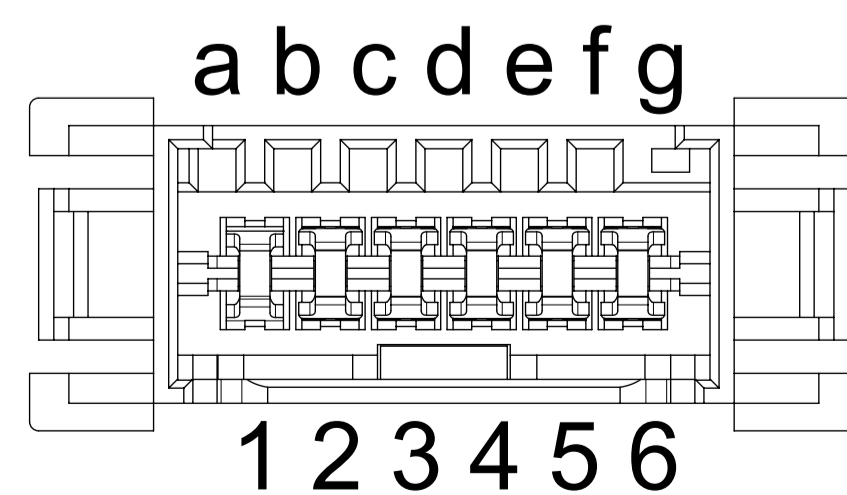
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: ADDED NEW P/N SHT2			
DIMENSION UNITS	SCALE	EC NO: 616330			
mm	2:1	DRWN: AKABADI 2019/04/26		WIRE TO WIRE HEADER ASSEMBLY	
GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: BODEA 2019/04/26		PANEL MOUNT 2.5MM PITCH 0.22-0.38MM ² CABLE	
ANGULAR TOL	± 0.5°	APPR: DRYAN 2019/05/06		PRODUCT CUSTOMER DRAWING	
4 PLACES	±	INITIAL REVISION:		DOCUMENT NUMBER	
3 PLACES	±	DRWN: TJMURPHY 2016/03/30		934220001	
2 PLACES	± 0.05	APPR: BRUTTLE 2016/06/13		DOC TYPE DOC PART REVISION	
1 PLACE	± 0.1			PSD 000 J	
0 PLACES	±				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
		A3-SIZE	93422	SEE CHARTS	GENERAL MARKET
				SHEET NUMBER	
				1 OF 3	

2 Circuit			
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93422-9001	93428-0201	NONE	

3 Circuit				
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION (SEE NOTES)
93422-0002	93428-0301	NONE	NONE	
93422-0003	93428-0304	d	NONE	
93422-0004	93428-0301	NONE	2	
93422-0005	93428-0305	a c	NONE	
93422-0006	93428-0303	b d	NONE	

4 Circuit				
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION (SEE NOTES)
93422-0501	93428-0401	NONE	NONE	
93422-0502	93428-0402	a c e	NONE	
93422-0503	93428-0403	b d e	NONE	
93422-0504	93428-0401	NONE	1 4	
93422-0505	93428-0404	b c	NONE	
93422-0506	93428-0405	a b d	NONE	

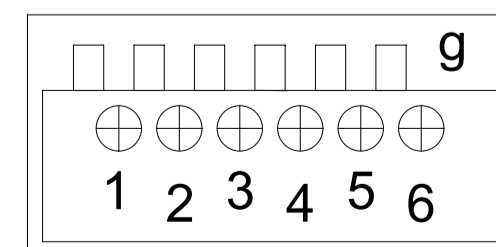
5 Circuit			
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93422-1001	93428-0501	NONE	
93422-1002	93428-0502	a c d f	



CODING IDENTIFICATION
(6 CKT EXAMPLE WITH
CODING KEYS G BLOCKED)
VIEW IN MATING DIRECTION

NOTES:

- DENOTES LOADED TERMINAL POSITION
 DENOTES VOIDED TERMINAL POSITION
- MOLEX HOUSING NUMBER FOR REFERENCE ONLY



6 Circuit			
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93422-1501	93428-0601	NONE	
93422-1502	93428-0602	c e	

7 Circuit			
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93422-2001	93428-0701	NONE	

8 Circuit				
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION (SEE NOTES)
93422-2501	93428-0801	NONE	NONE	
93422-2502	93428-0801	NONE	5 7	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
DIMENSION UNITS mm	SCALE 4:1	CURRENT REV DESC: ADDED NEW P/N SHT2		
GENERAL TOLERANCES (UNLESS SPECIFIED)		 WIRE TO WIRE HEADER ASSEMBLY PANEL MOUNT 2.5MM PITCH 0.22-0.38MM2 CABLE PRODUCT CUSTOMER DRAWING		
ANGULAR TOL	± 0.5°			
4 PLACES	±			
3 PLACES	±			
2 PLACES	± 0.05			
1 PLACE	± 0.1	EC NO: 616330	2019/04/26	
0 PLACES	±	DRWN: AKABADI	2019/04/26	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: DRYAN	2019/05/06	
THIRD ANGLE PROJECTION		INITIAL REVISION:	DOCUMENT NUMBER	
		DRWN: TJMURPHY	934220001	
DRAWING		APPR: BRUTTLE	DOC TYPE	DOC PART
A1-SIZE		2016/03/30	PSD	000
SERIES		2016/06/13	000	J
93422		REVISION		
MATERIAL NUMBER		SEE CHARTS		
CUSTOMER		GENERAL MARKET		
SHEET NUMBER		2 OF 3		

9 Circuit			
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93422-3001	93428-0901	NONE	

13 Circuit			
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93422-5001	93428-1301	NONE	
93422-5002	93428-1302	a b c d k l m n	

10 Circuit			
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93422-3501	93428-1001	NONE	

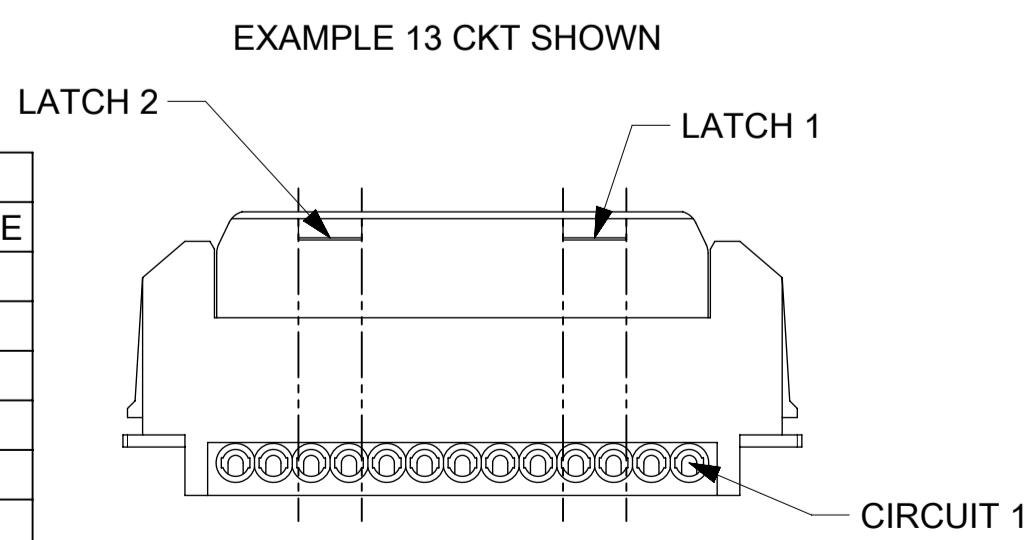
14 Circuit			
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93422-5501	93428-1401	NONE	

11 Circuit			
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93422-4001	93428-1101	NONE	

15 Circuit			
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93422-6001	93428-1501	NONE	

12 Circuit			
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93422-4501	93428-1201	NONE	

LATCH 1 POSITION ACROSS CIRCUITS	LATCH 2 POSITION ACROSS CIRCUITS	CIRCUIT SIZE
4 & 5	11 & 12	15
4 & 5	10 & 11	14
3 & 4	10 & 11	13
3 & 4	9 & 10	12
3 & 4	8 & 9	11
3 & 4	7 & 8	10

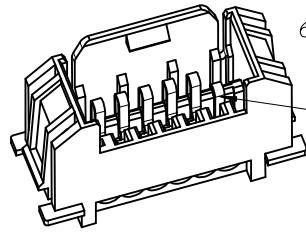
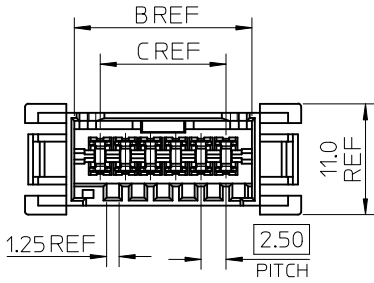
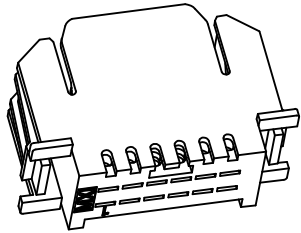


FOR CIRCUIT SIZE 10 AND ABOVE
2 LATCHES ARE PRESENT.
SEE TABLE BELOW FOR
POSITION OF LATCHES.

- NOTES:
- ⊕ DENOTES LOADED TERMINAL POSITION
+ DENOTES VOIDED TERMINAL POSITION
 - MOLEX HOUSING NUMBER FOR REFERENCE ONLY

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
DIMENSION UNITS mm	SCALE 1:1	CURRENT REV DESC: ADDED NEW P/N SHT2	
GENERAL TOLERANCES (UNLESS SPECIFIED)		 WIRE TO WIRE HEADER ASSEMBLY PANEL MOUNT 2.5MM PITCH 0.22-0.38MM2 CABLE	
ANGULAR TOL	± 0.5°		
4 PLACES	±		
3 PLACES	±		
2 PLACES	± 0.05		
1 PLACE	± 0.1	EC NO: 616330 DRWN: AKABADI 2019/04/26 CHK'D: BODEA 2019/04/26 APPR: DRYAN 2019/05/06	
0 PLACES	±	INITIAL REVISION: DRWN: TJMURPHY 2016/03/30 APPR: BRUTTLE 2016/06/13	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
			A1-SIZE
		SERIES	93422
		MATERIAL NUMBER	934220001
		CUSTOMER	GENERAL MARKET
		DOCUMENT NUMBER	PSD 000 J
		DOC TYPE	000 J
		REVISION	3 OF 3

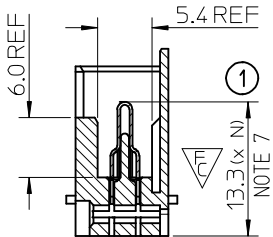
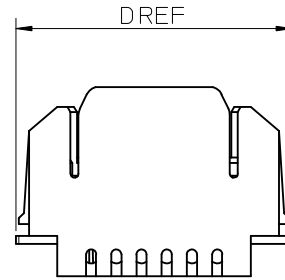
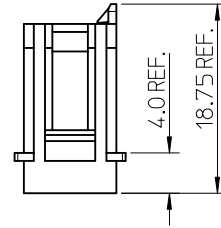
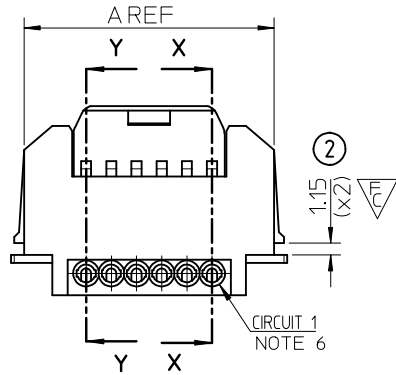
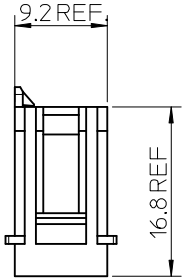
EM-93422-010



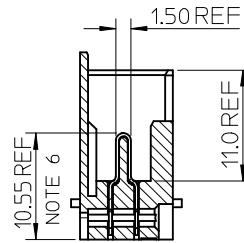
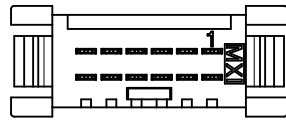
6 CIRCUIT CONNECTOR SHOWN

CIRCUIT 1
NOTE 6

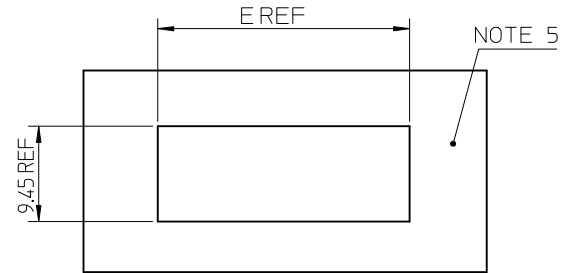
CKT	A	B	C	D	E
2	14.8	7.6	2.5	17.4	15.0
3	17.3	10.1	5.0	19.9	17.5
4	19.8	12.6	7.5	22.4	20.0
5	22.3	15.1	10.0	24.9	22.5
6	24.8	17.6	12.5	27.4	25.0
7	27.3	20.1	15.0	29.9	27.5
8	29.8	22.6	17.5	32.4	30.0
9	32.3	25.1	20.0	34.9	32.5
10	34.8	27.6	22.5	37.4	35.0
11	37.3	30.1	25.0	39.9	37.5
12	39.8	32.6	27.5	42.4	40.0
13	42.3	35.1	30.0	44.9	42.5
14	44.8	37.6	32.5	47.4	45.0
15	47.3	40.1	35.0	49.9	47.5
16	49.8	42.6	37.5	52.4	50.0
17	52.3	45.1	40.0	54.9	52.5
18	54.8	47.6	42.5	57.4	55.0
19	57.3	50.1	45.0	59.9	57.5



SECTION Y-Y



SECTION X-X



Recommended panel opening

NOTES:

- MATERIALS
HOUSING: POLYAMIDE 66 (PA66)
UL94-V0. COLOUR NATURAL
TERMINAL: COPPER ALLOY
PLATING: PRE PLATED HOT TIN DIP 4 - 74h
- PRODUCT CONFORMS TO SPECIFICATION PS-99020-0090.
- MATES WITH RAST 2.5 APPLIMATE FEMALE CONNS.
- SEE PACKAGING SPECIFICATION PK-93422-001.
- CONNECTOR DESIGNED FOR USE WITH PANEL 0.80MM TO 0.90MM THICKNESS.
- TERMINATED HEIGHT. CIRCUIT 1 SHOWN IN TERMINATED POSITION ONLY FOR PURPOSE OF DIMENSIONING TERMINATED HEIGHT POSITION.
- TERMINAL PRE-TERMINATED HEIGHT. N=NUMBER OF CIRCUITS.
- SEE APPLICATION SPEC AS-99033-010.
- CONNECTOR DESIGNED TO RAST 2.5 STANDARD.

LAST INSPECTION NUMBER: 2

<p>ORIGINAL RELEASE EC NO: IPG2015-0156 DRW: MSHANAHAN 2014/08/25 CHKD: CMONAHAN 2014/10/14 APPR: MSHANAHAN 2014/11/06</p>	<p>QUALITY SYMBOLS E=2</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>DIMENSION STYLE MM ONLY</p>		<p>SCALE 2:1</p>	<p>DESIGN UNITS METRIC</p>	<p>THIRD ANGLE PROJECTION</p>		
			mm	INCH	DRAWN BY	DATE	<p>TITLE V0 PANEL MT HEADER ASSY 0.22 TO 0.38 WIRE 2.5MM PITCH</p> <p>molex</p> <p>DOCUMENT NO. SD-93722-001 SHEET NO. 1 OF 4</p>			
		4 PLACES	± ---	± ---	MSHANAHAN	2013/01/18				
		3 PLACES	± ---	± ---						
2 PLACES	± 0.05	± ---	CMONAHAN	2014/10/14						
	1 PLACE	± 0.10	± ---	APPROVED BY	DATE					
	0 PLACE	± ---	± ---	MSHANAHAN	2014/11/06					
		<p>ANGULAR ± .5 °</p>		<p>MATERIAL NO.</p>						
		<p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p>		<p>SEE FOLLOWING SHEETS</p>						
				<p>SIZE A3</p>	<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>					

2-CIRCUIT

MOLEX PART NO.	MOLEX HSG. PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0001	93728-0201	NONE	

3-CIRCUIT

MOLEX PART NO.	MOLEX HSG. PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0002	93728-0301	NONE	

4-CIRCUIT

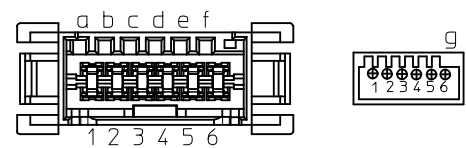
MOLEX PART NO.	MOLEX HSG. PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0003	93728-0401	NONE	
93722-0013	93728-0402	a,c,e	
93722-0014	93728-0403	b,d,e	

5-CIRCUIT

MOLEX PART NO.	MOLEX HSG. PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0004	93728-0501	NONE	
93722-0015	93728-0502	a,c,d,f	

NOTES:

- ⊕ DENOTES LOADED TERMINAL POSITION
+ DENOTES VOIDED TERMINAL POSITION
- MOLEX HOUSING NUMBER FOR REFERENCE ONLY



CODING IDENTIFICATION
(6 CKT EXAMPLE WITH
CODING KEY G BLOCKED)
VIEW IN MATING DIRECTION

SEE SHEET 1 EC NO: IPG2015-0156 DRWN:MSHANAHAN 2014/08/25 CHKD:CMONAHAN 2014/10/14 APPR:MSHANAHAN 2014/11/06	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY MSHANAHAN	DATE 2013/01/18	TITLE VO PANEL MT HEADER ASSY 0.22 TO 0.38 WIRE 2.5MM PITCH			
					CHECKED BY CMONAHAN	DATE 2014/10/14				
						APPROVED BY MSHANAHAN	DATE 2014/11/06			
			ANGULAR ± .5 °		MATERIAL NO.	DOCUMENT NO. SD-93722-001				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

6-CIRCUIT

MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0005	93728-0601	NONE	

8-CIRCUIT

MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0007	93728-0801	NONE	

7-CIRCUIT

MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0006	93728-0701	NONE	

9-CIRCUIT

MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0008	93728-0901	NONE	

NOTES:

- ⊕ DENOTES LOADED TERMINAL POSITION
+ DENOTES VOIDED TERMINAL POSITION
- MOLEX HOUSING NUMBER FOR REFERENCE ONLY

SEE SHEET 1 EC NO: IPG2015-0156 DRWN:MSHANAHAN 2014/08/25 CHKD:CMONAHAN 2014/10/14 APPR:MSHANAHAN 2014/11/06	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY MSHANAHAN	DATE 2013/01/18	TITLE VO PANEL MT HEADER ASSY				
			4 PLACES ± ---	± ---	CHECKED BY CMONAHAN	DATE 2014/10/14	0.22 TO 0.38 WIRE				
			3 PLACES ± ---	± ---	APPROVED BY MSHANAHAN	DATE 2014/11/06	2.5MM PITCH				
			2 PLACES ± 0.05	± ---	MATERIAL NO.	DOCUMENT NO.	molex				
	1 PLACE ± 0.10	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHARTS		SD-93722-001		SHEET NO. 3 OF 4		
	0 PLACE ± ---	± ---	ANGULAR ± .5 °		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

10-CIRCUIT

MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0009	93728-1001	NONE	

12-CIRCUIT

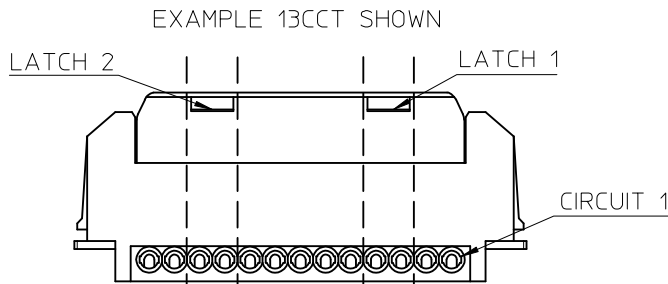
MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0011	93728-1201	NONE	

11-CIRCUIT

MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0010	93728-1101	NONE	

13-CIRCUIT

MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0012	93728-1301	NONE	
93722-0016	93728-1302	a.b.c.d.k.l.m.n	



FOR CIRCUIT SIZE 10 AND ABOVE
2 LATCHES ARE PRESENT.
SEE TABLE BELOW FOR
POSITION OF LATCHES

LATCH 1 POSITION	LATCH 2 POSITION	CIRCUIT SIZE
ACROSS CIRCUITS	ACROSS CIRCUITS	CIRCUIT SIZE
4 & 5	11 & 12	15
4 & 5	10 & 11	14
3 & 4	10 & 11	13
3 & 4	9 & 10	12
3 & 4	8 & 9	11
3 & 4	7 & 8	10

14-CIRCUIT

MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0017	93728-1401	NONE	

15-CIRCUIT

MOLEX PART NO.	MOLEX HSG PART NO.	BLOCKED POSITION KEYS	CONFIGURATION (SEE NOTES)
93722-0018	93728-1501	NONE	

NOTES:

- + DENOTES LOADED TERMINAL POSITION
⊕ DENOTES VOIDED TERMINAL POSITION

2. MOLEX HOUSING NUMBER FOR REFERENCE ONLY

SEE SHEET 1 EC NO: IPG2015-0156 DRWN:MSHANAHAN 2014/08/25 CHKD:CMONAHAN 2014/10/14 APPR:MSHANAHAN 2014/11/06	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm INCH	DRAWN BY DATE	TITLE	VO PANEL MT HEADER ASSY 0.22 TO 0.38 WIRE 2.5MM PITCH molex DOCUMENT NO. SD-93722-001 SHEET NO. 4 OF 4		
			4 PLACES ± --- ± ---	MSHANAHAN 2013/01/18				
			3 PLACES ± --- ± ---	CHECKED BY DATE				
	2 PLACES ± 0.05 ± ---	CMONAHAN 2014/10/14						
		1 PLACE ± 0.10 ± ---	APPROVED BY DATE					
		0 PLACE ± --- ± ---	MSHANAHAN 2014/11/06					
		ANGULAR ± .5 °	MATERIAL NO.	SEE CHARTS				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			