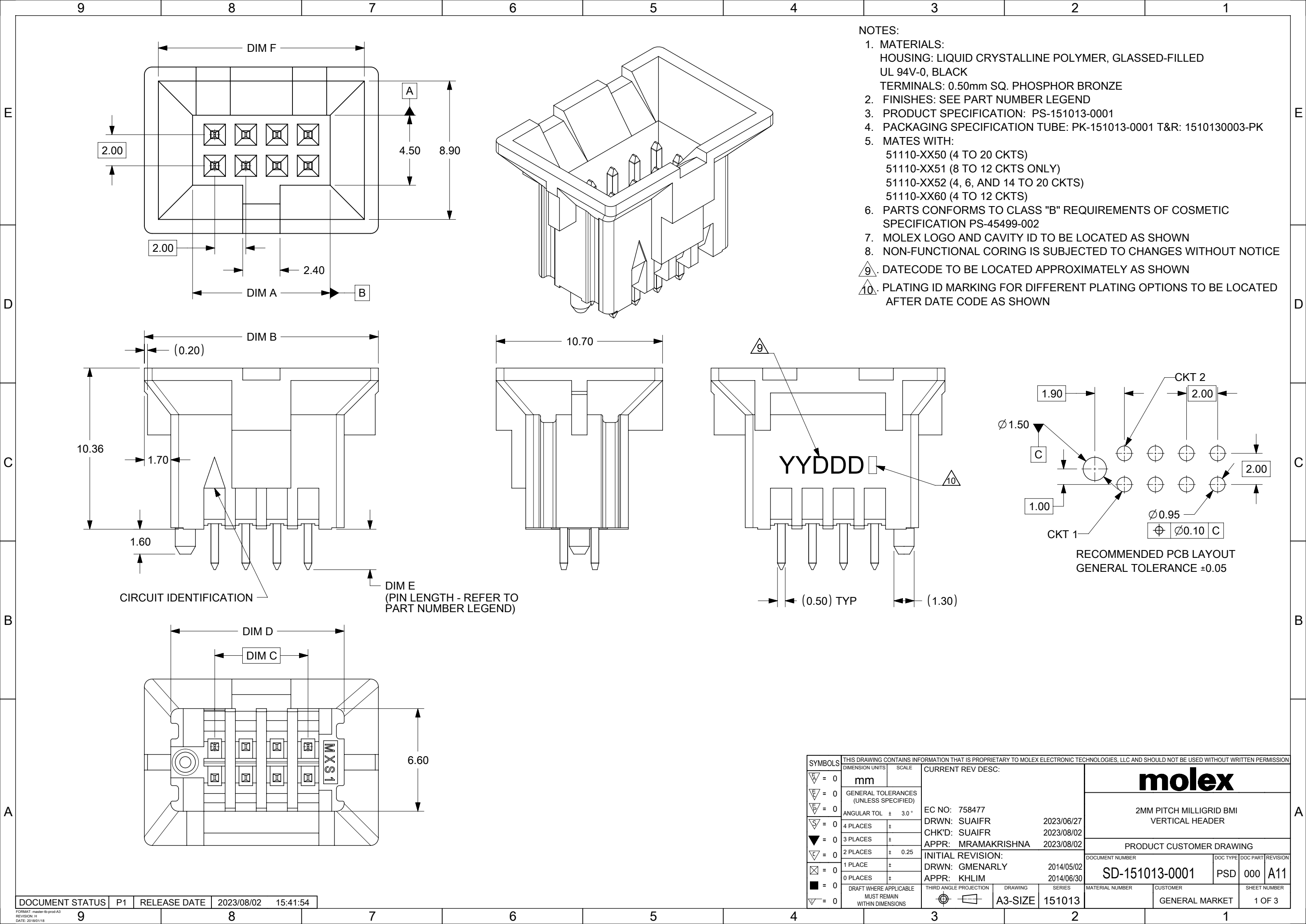




- NOTES:
1. MATERIALS:
HOUSING: LIQUID CRYSTALLINE POLYMER, GLASSED-FILLED
UL 94V-0, BLACK
TERMINALS: 0.50mm SQ. PHOSPHOR BRONZE
 2. FINISHES: SEE PART NUMBER LEGEND
 3. PRODUCT SPECIFICATION: PS-151013-0001
 4. PACKAGING SPECIFICATION TUBE: PK-151013-0001 T&R: 1510130003-PK
 5. MATES WITH:
51110-XX50 (4 TO 20 CKTS)
51110-XX51 (8 TO 12 CKTS ONLY)
51110-XX52 (4, 6, AND 14 TO 20 CKTS)
51110-XX60 (4 TO 12 CKTS)
 6. PARTS CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002
 7. MOLEX LOGO AND CAVITY ID TO BE LOCATED AS SHOWN
 8. NON-FUNCTIONAL CORING IS SUBJECTED TO CHANGES WITHOUT NOTICE
 9. DATECODE TO BE LOCATED APPROXIMATELY AS SHOWN
 10. PLATING ID MARKING FOR DIFFERENT PLATING OPTIONS TO BE LOCATED AFTER DATE CODE AS SHOWN

151013-X X Y Y

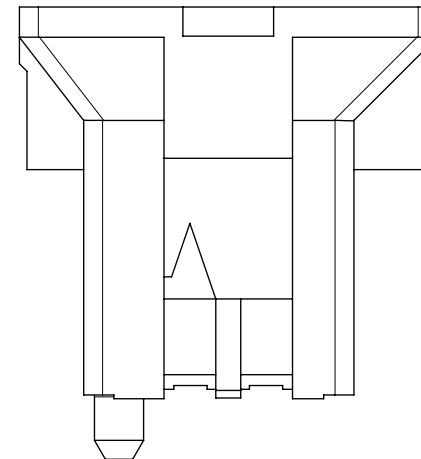
DIM E - PIN LENGTHS:

- 0: 2.60mm
1: 4.00mm
2: 3.00mm
3: 3.50mm
4: 4.50mm
5: 2.10mm

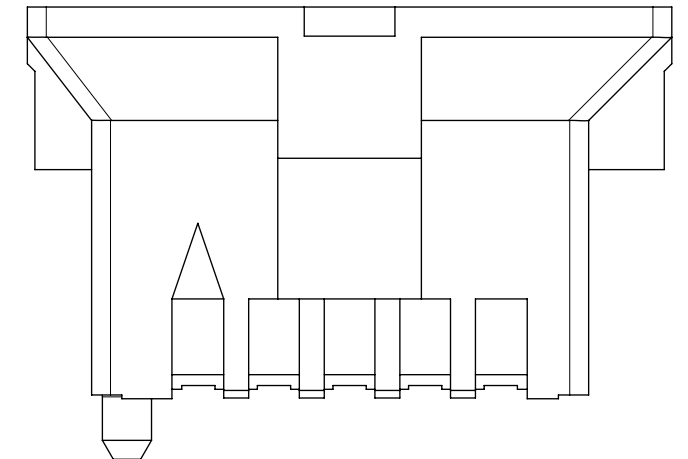
04 - 20	04 - 20 CKT IN TUBE
64 - 80	64 - 80 CKT IN T&R WITHOUT KAPTON TAPE 64 = 04CKT 66 = 06CKT - - - 78 = 18CKT 80 = 20CKT
84 - 98	84 - 98 CKT IN T&R WITH KAPTON TAPE 84 = 04CKT 86 = 06CKT - - - 98 = 18CKT 00 = 20CKT

ASSEMBLY PART NUMBER	CKT SIZE	DIM A	DIM B	DIM C	DIM D	DIM F
151013-XX04	4	4.85	11.05	2.00	7.15	9.25
151013-XX06	6	6.85	13.05	4.00	9.15	11.25
151013-XX08	8	8.85	15.05	6.00	11.15	13.25
151013-XX10	10	10.85	17.05	8.00	13.15	15.25
151013-XX12	12	12.85	19.05	10.00	15.15	17.25
151013-XX14	14	14.85	21.05	12.00	17.15	19.25
151013-XX16	16	16.85	23.05	14.00	19.15	21.25
151013-XX18	18	18.85	25.05	16.00	21.15	23.25
151013-XX20	20	20.85	27.05	18.00	23.15	25.25

CIRCUIT IDENTIFICATION ON HOUSING



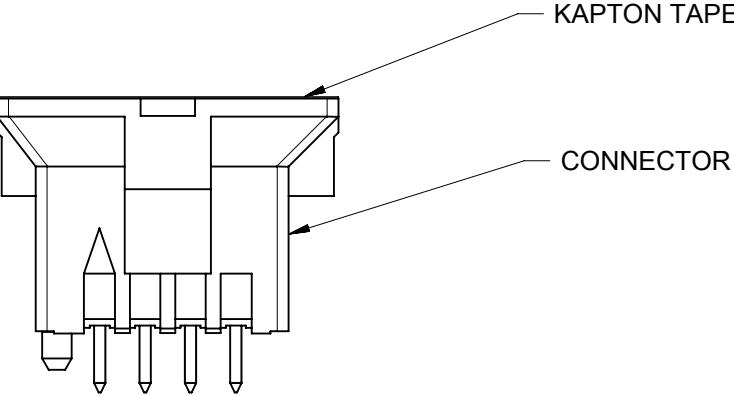
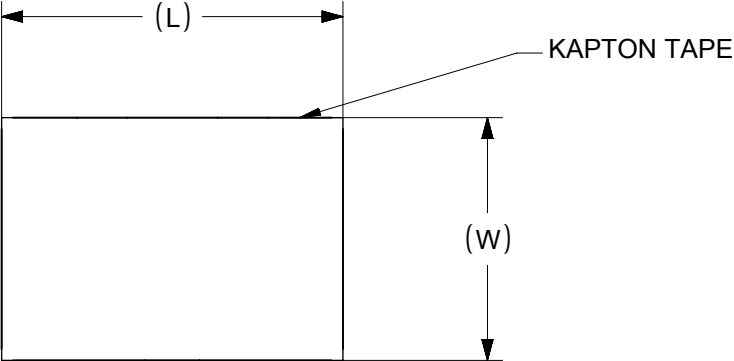
FOR 4 & 6 CIRCUITS



FOR 8 TO 20 CIRCUITS

PLATING THICKNESS	PLATING ID MARK 
2 OR 6: 0.76µm MIN. GOLD ON CONTACT, 1.27µm MATTE TIN ON SOLDER TAIL OVER 1.27µm MIN. NICKEL UNDERPLATE OVERALL	
3: 0.38µm MIN. GOLD ON CONTACT, 1.27µm MATTE TIN ON SOLDER TAIL OVER 1.27µm MIN. NICKEL UNDERPLATE OVERALL	/
4: 0.05µm MIN. GOLD FLASH ON CONTACT, 1.27µm MATTE TIN ON SOLDER TAIL OVER 1.27µm MIN. NICKEL UNDERPLATE OVERALL	<
5: 2.50µm MIN. MATTE TIN ON CONTACT, 1.27µm MATTE TIN ON SOLDER TAIL OVER 1.27µm MIN. NICKEL UNDERPLATE OVERALL	

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 758477 DRWN: SUAIFR 2023/06/27 CHK'D: SUAIFR 2023/08/02 APPR: MRAMAKRISHNA 2023/08/02				molex					
mm													
GENERAL TOLERANCES (UNLESS SPECIFIED)								2MM PITCH MILLIGRID BMI VERTICAL HEADER					
ANGULAR TOL ± 3.0°													
4 PLACES ±				INITIAL REVISION: DRWN: GMENARLY 2014/05/02 APPR: KHLIM 2014/06/30				DOCUMENT NUMBER SD-151013-0001		DOC TYPE PSD	DOC PART 000	REVISION A11	
3 PLACES ±													
2 PLACES ± 0.25								PRODUCT CUSTOMER DRAWING					
1 PLACE ±													
0 PLACES ±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		151013		SEE TABLE		GENERAL MARKET		2 OF 3	



PART WITH KAPTON TAPE
8CKT SHOWN FOR ILLUSTRATION ONLY

ASSEMBLY PART NUMBER TUBE	ASSEMBLY PART NUMBER TAPE & REEL	CKT SIZE	DIM A	DIM B	DIM C	DIM D	DIM F	KAPTON TAPE
----	151013-3588	08	8.85	15.05	6.00	11.15	13.25	YES
----	151013-2092	12	12.85	19.05	10.00	15.15	17.25	YES
----	151013-2096	16	16.85	23.05	14.00	19.15	21.25	YES
----	151013-2076	16	16.85	23.05	14.00	19.15	21.25	NO
151013-3020	----	20	20.85	27.05	18.00	23.15	25.25	NO
151013-3520	151013-3580	20	20.85	27.05	18.00	23.15	25.25	NO
151013-2520	151013-2500	20	20.85	27.05	18.00	23.15	25.25	YES
	151013-2580	20	20.85	27.05	18.00	23.15	25.25	NO
151013-2220	151013-2200	20	20.85	27.05	18.00	23.15	25.25	YES

NOTE:
IN TABLE HIGHLIGHTED F.G PART FOLLOWS PART LEGENDS FOR LENOVO & INTEL

ASSEMBLY PART NUMBER TUBE	CKT SIZE	DIM A	DIM B	DIM C	DIM D PIN LENGTH	KAPTON TAPE
151013-6508	08	8.85	15.05	6.00	2.1	YES

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex						
	mm														
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 758477 DRWN: SUAIFR 2023/06/27 CHK'D: SUAIFR 2023/08/02 APPR: MRAMAKRISHNA 2023/08/02				2MM PITCH MILLIGRID BMI VERTICAL HEADER								
	ANGULAR TOL ± 3.0 °														
	4 PLACES ±		INITIAL REVISION: DRWN: GMENARLY 2014/05/02 APPR: KHLIM 2014/06/30				PRODUCT CUSTOMER DRAWING								
	3 PLACES ±														
	2 PLACES ± 0.25		DOCUMENT NUMBER SD-151013-0001				DOC TYPE PSD		DOC PART 000		REVISION A11				
	1 PLACE ±														
	0 PLACES ±		THIRD ANGLE PROJECTION				DRAWING A3-SIZE		SERIES 151013		MATERIAL NUMBER SEE CHART		CUSTOMER GENERAL MARKET		SHEET NUMBER 3 OF 3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS															