



- NOTES:
- MATERIALS:  
HOUSING: LIQUID CRYSTALLINE POLYMER, GLASSED-FILLED UL 94V-0, BLACK  
TERMINALS: 0.50mm SQ. PHOSPHOR BRONZE
  - FINISHES: SEE PART NUMBER LEGEND
  - PRODUCT SPECIFICATION: PS-151013-0001
  - PACKAGING SPECIFICATION TUBE: PK-151013-0001 T&R: 1510130003-PK
  - 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)
  - PARTS CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002
  - MOLEX LOGO AND CAVITY ID TO BE LOCATED AS SHOWN
  - NON-FUNCTIONAL CORING IS SUBJECTED TO CHANGES WITHOUT NOTICE
  - DATECODE TO BE LOCATED APPROXIMATELY AS SHOWN
  - PLATING ID MARKING FOR DIFFERENT PLATING OPTIONS TO BE LOCATED AFTER DATE CODE AS SHOWN



DIM E  
(PIN LENGTH - REFER TO PART NUMBER LEGEND)



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:				
	DIMENSION UNITS	SCALE					
▽ = 0	mm		EC NO: 749893		PRODUCT CUSTOMER DRAWING		
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: DANUSA 2023/01/04				
▽ = 0	ANGULAR TOL ± 3.0°		CHK'D: SUAIFR 2023/05/22		DOCUMENT NUMBER: SD-151013-0001   DOC TYPE: PSD   DOC PART: 000   REVISION: A10		
▽ = 0	4 PLACES ±		APPR: MRAMAKRISHNA 2023/05/22				
▽ = 0	3 PLACES ±		INITIAL REVISION:		MATERIAL NUMBER: 151013   CUSTOMER: GENERAL MARKET   SHEET NUMBER: 1 OF 3		
▽ = 0	2 PLACES ± 0.25		DRWN: GMENARLY 2014/05/02				
▽ = 0	1 PLACE ±		APPR: KHLIM 2014/06/30		DRAWING: A3-SIZE   SERIES: 151013		
▽ = 0	0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
▽ = 0			THIRD ANGLE PROJECTION				
▽ = 0			DRAWING: A3-SIZE   SERIES: 151013				

# PART NUMBER LEGEND

151013-X X Y Y

PLATING OPTIONS:

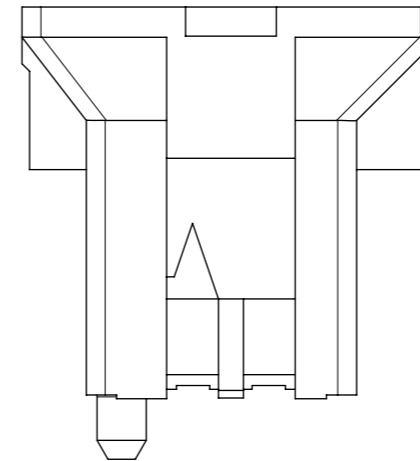
DIM E - PIN LENGTHS:

- 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
	-
	-
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	

<b>SYMBOLS</b> DIMENSION UNITS: <b>mm</b> SCALE: _____ GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 3.0° 4 PLACES ± _____ 3 PLACES ± _____ 2 PLACES ± 0.25 1 PLACE ± _____ 0 PLACES ± _____ DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		CURRENT REV DESC: EC NO: 749893 DRWN: DANUSA 2023/01/04 CHK'D: SUAIFR 2023/05/22 APPR: MRAMAKRISHNA 2023/05/22			
	INITIAL REVISION: DRWN: GMENARLY 2014/05/02 APPR: KHLIM 2014/06/30		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: <b>SD-151013-0001</b> DOC TYPE: PSD DOC PART: 000 REVISION: A10			
THIRD ANGLE PROJECTION		DRAWING: <b>A3-SIZE</b>	SERIES: <b>151013</b>	MATERIAL NUMBER: SEE TABLE	CUSTOMER: GENERAL MARKET	SHEET NUMBER: 2 OF 3

ASSEMBLY PART NUMBER TUBE	ASSEMBLY PART NUMBER TAPE & REEL	CKT SIZE	DIM A	DIM B	DIM C	DIM D	DIM F	KAPTON TAPE
----	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



PART WITH KAPTON TAPE  
8CKT SHOWN FOR ILLUSTRATION ONLY

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

<b>SYMBOLS</b> DIMENSION UNITS: mm SCALE: 1:1 GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 3.0° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.25 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING: A3-SIZE SERIES: 151013	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION CURRENT REV DESC: EC NO: 749893 DRWN: DANUSA 2023/01/04 CHK'D: SUAIFR 2023/05/22 APPR: MRAMAKRISHNA 2023/05/22		 2MM PITCH MILLIGRID BMI VERTICAL HEADER	
	INITIAL REVISION: DRWN: GMENARLY 2014/05/02 APPR: KHLIM 2014/06/30			
	DOCUMENT NUMBER: SD-151013-0001 DOC TYPE: PSD DOC PART: 000 REVISION: A10		SHEET NUMBER: 3 OF 3	
	MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET			