



- NOTES:
1. MATERIAL: GLASS-FILLED POLYESTER UL RATED 94V-0  
COLOR: BLACK
  2. PART TO BE USED WITH CRIMP TERMINAL  
PART NUMBER 50394-8\*\*\* AND 87396-\*\*\*\*
  3. APPLICABLE WIRE RANGE:  
FOR 50394 SERIES, AWG #24 - #30,  
FOR 87396 SERIES, AWG #22 - #28.
  4. WIRE INSULATION RANGE: DIAMETER 1.40MM MAXIMUM.
  5. 30 CKT SHOWN FOR ILLUSTRATION ONLY.

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: RE-MASTERED IN NX/ECTR		<b>molex</b>				
	DIMENSION UNITS	SCALE							
	$\nabla_A = 0$	mm	NTS	EC NO: 672815 DRWN: ABABUPS 2021/04/27 CHK'D: MRAMAKRISHNA 2021/08/06 APPR: MRAMAKRISHNA 2021/08/06 INITIAL REVISION: DRWN: SKTOH 1993/10/26 APPR: LBLEE 2014/07/22			2MM GRID, WIRE TO BOARD CONNECTOR, CRIMP RECEPT. HOUSING		
	GENERAL TOLERANCES (UNLESS SPECIFIED)	PRODUCT CUSTOMER DRAWING							
ANGULAR TOL $\pm 3.0^\circ$	DOCUMENT NUMBER						DOC TYPE	DOC PART	REVISION
DIVISIONAL SYMBOLS	4 PLACES	$\pm$	SD-51110-XX5X			PSD	001	B10	
	3 PLACES	$\pm$	MATERIAL NUMBER			CUSTOMER		SHEET NUMBER	
	2 PLACES	$\pm 0.2$	SEE TABLE			GENERAL MARKET		1 OF 2	
	1 PLACE	$\pm$	THIRD ANGLE PROJECTION			DRAWING		SERIES	
	0 PLACES	$\pm$	B-SIZE			51110			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

WITHOUT CENTER POLARIZATION KEY & SIDE LATCHES

PART NUMBER	CKT SIZE	DIM X	DIM Y
51110-0450	4	2.00	4.20
51110-0650	6	4.00	6.20
51110-0850	8	6.00	8.20
51110-1050	10	8.00	10.20
51110-1250	12	10.00	12.20
51110-1450	14	12.00	14.20
51110-1650	16	14.00	16.20
51110-1850	18	16.00	18.20
51110-2050	20	18.00	20.20
51110-2250	22	20.00	22.20
51110-2450	24	22.00	24.20
51110-2650	26	24.00	26.20
51110-2850	28	26.00	28.20
51110-3050	30	28.00	30.20
51110-3250	32	30.00	32.20
51110-3450	34	32.00	34.20

WITH CENTER POLARIZATION KEY & SIDE LATCHES

PART NUMBER	CKT SIZE	DIM X	DIM Y	DIM Z
51110-1451	14	12.00	14.20	8.00
51110-1651	16	14.00	16.20	10.00
51110-1851	18	16.00	18.20	12.00
51110-2051	20	18.00	20.20	14.00
51110-2251	22	20.00	22.20	16.00
51110-2451	24	22.00	24.20	18.00
51110-2651	26	24.00	26.20	20.00
51110-2851	28	26.00	28.20	22.00
51110-3051	30	28.00	30.20	24.00
51110-3251	32	30.00	32.20	26.00
51110-3451	34	32.00	34.20	28.00

WITH CENTER POLARIZATION KEY

PART NUMBER	CKT SIZE	DIM X	DIM Y
51110-0452	4	2.00	4.20
51110-0652	6	4.00	6.20
51110-0851	8	6.00	8.20
51110-1051	10	8.00	10.20
51110-1251	12	10.00	12.20
51110-1452	14	12.00	14.20
51110-1652	16	14.00	16.20
51110-1852	18	16.00	18.20
51110-2052	20	18.00	20.20
51110-2252	22	20.00	22.20

PART NUMBER LEGEND:

51110 - \*\* 5 \*

CIRCUIT SIZE

0 - WITHOUT CENTER POLARIZATION KEY AND SIDE LATCH.

1 - WITH CENTER POLARIZATION KEY AND SIDE LATCH.  
(14 TO 34 CIRCUITS ONLY)  
WITH CENTER POLARIZATION KEY ONLY.  
(8 TO 12 CIRCUITS ONLY)

2 - WITH CENTER POLARIZATION KEY ONLY.  
(4 TO 6 CIRCUITS AND 14 TO 22 CIRCUITS ONLY)

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: RE-MASTERED IN NX/ECTR		<b>molex</b>		
	DIMENSION UNITS	SCALE					
$\nabla/A = 0$	mm	NTS	GENERAL TOLERANCES (UNLESS SPECIFIED)		2MM GRID, WIRE TO BOARD CONNECTOR, CRIMP RECEPT. HOUSING		
$\nabla/E = 0$	ANGULAR TOL $\pm 3.0^\circ$						
$\nabla/P = 0$	4 PLACES $\pm$						
DIVISIONAL SYMBOLS	3 PLACES $\pm$		EC NO: 672815		2021/04/27		
	2 PLACES $\pm 0.2$		DRWN: ABABUPS		2021/08/06		
	1 PLACE $\pm$		CHK'D: MRAMAKRISHNA		2021/08/06		
	0 PLACES $\pm$		APPR: MRAMAKRISHNA		2021/08/06		
INITIAL REVISION:			DRWN: SKTOH		1993/10/26		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			APPR: LBLEE		2014/07/22		
THIRD ANGLE PROJECTION			DRAWING		SERIES		
			A3-SIZE		51110		
MATERIAL NUMBER			CUSTOMER		DOCUMENT NUMBER		
SEE TABLE			GENERAL MARKET		SD-51110-XX5X		
SHEET NUMBER			DOC TYPE		DOC PART		REVISION
2 OF 2			PSD		001		B10