



- 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	2MM GRID, WIRE TO BOARD CONNECTOR, CRIMP RECEPT. HOUSING					
	$\nabla_B = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		PRODUCT CUSTOMER DRAWING					
$\nabla_C = 0$	ANGULAR TOL ± 3.0°		DOCUMENT NUMBER						
DIVISIONAL SYMBOLS	4 PLACES	±	EC NO: 672815	2021/04/27	SD-51110-XX5X	PSD	001	B10	
	3 PLACES	±	DRWN: ABABUPS	2021/08/06					
	2 PLACES	± 0.2	CHK'D: MRAMAKRISHNA	2021/08/06	INITIAL REVISION:	1993/10/26	SEE TABLE	GENERAL MARKET	SHEET NUMBER
	1 PLACE	±	APPR: MRAMAKRISHNA	2021/08/06	DRWN: SKTOH	2014/07/22	1 OF 2		
0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	
					B-SIZE	51110			

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)

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	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		2MM GRID, WIRE TO BOARD CONNECTOR, CRIMP RECEPT. HOUSING			
$\nabla/E = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)							
$\nabla/P = 0$	ANGULAR TOL ± 3.0°				PRODUCT CUSTOMER DRAWING			
DIVISIONAL SYMBOLS	4 PLACES	±						
	3 PLACES	±	INITIAL REVISION:		DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
	2 PLACES	± 0.2	DRWN: SKTOH 1993/10/26		SD-51110-XX5X	PSD	001	B10
	1 PLACE	±	APPR: LBLEE 2014/07/22		MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
	0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE	GENERAL MARKET		2 OF 2
			THIRD ANGLE PROJECTION	DRAWING	SERIES			
				A3-SIZE	51110			