



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS 1.57/.062

NOTES :

- MATERIALS - HOUSING:
A = NYLON, GLASS-FILLED, UL94V-0, COLOR - BLACK
B = LCP, GLASS-FILLED, UL94V-0, COLOR - BLACK (LOW HALOGEN)
TERMINAL: BRASS ALLOY
- FINISH:
A = 0.00254/.000100 MIN. MATTE TIN OVER 0.00127/.000050 MIN. NICKEL
B = 0.00038/.000015 MIN. SELECT GOLD IN CONTACT AREA;
0.00254/.000100 MIN. SELECT MATTE TIN ON SOLDER TAILS;
BOTH OVER 0.00127/.000050 MIN. NICKEL.
C = 0.00076/.000030 MIN. SELECT GOLD IN CONTACT AREA;
0.00254/.000100 MIN. SELECT MATTE TIN ON SOLDER TAILS;
BOTH OVER 0.00127/.000100 MIN. NICKEL
- PRODUCT SPECIFICATION : PS-44300-001
EXCEPTION FOR CONTACT WIPE AS FOLLOWS:
MAKE-FIRST/BREAK-LAST TERMINAL = 0.71/(.028) GREATER THAN PS-44300-001
ALL OTHER TERMINALS = 0.56/(.022) LESS THAN PS-44300-001.
- PACKAGING SPECIFICATION : PK-44432-001
- THIS ASSEMBLY MATES WITH MOLEX BMI PANEL MOUNT RECEPTACLE SERIES 44133 WITH FEMALE CRIMP TERMINAL SERIES 43030 OR 46235, OR BMI RECEPTACLE HEADER SERIES 44764 (RIGHT ANGLE) AND 44769 (VERTICAL).
- THIS PART CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

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: CHANGED "A" FINISH TO MATTE TIN	
	DIMENSION UNITS	SCALE		
$\nabla_A = 0$	MM/INCH	4:1		
$\nabla_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
	ANGULAR TOL $\pm 0.5^\circ$			
DIVISIONAL SYMBOLS	4 PLACES	\pm	EC NO: 635347	2020/03/13
	3 PLACES	\pm	DRWN: BZAPPA	2021/08/27
	2 PLACES	± 0.25	CHK'D: SSOUSEK	2021/08/27
	1 PLACE	± 0.38	APPR: FSMITH	2021/08/27
0 PLACES	\pm	INITIAL REVISION:		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRWING	SERIES
			C-SIZE	44432
MODEL: EM-44432-0632 REV A1		DOCUMENT NUMBER		DOC TYPE DOC PART REVISION
DOCUMENT STATUS	P1	RELEASE DATE	2021/08/27 15:33:29	SD-44432-003 PSD 000 A8
		MATERIAL NUMBER		CUSTOMER
		GENERAL MARKET		SHEET NUMBER
				1 OF 3

molex

MICRO-FIT (3.0) DUAL ROW
VERTICAL BMI HEADER MAKE-FIRST/BREAK-LAST

PRODUCT CUSTOMER DRAWING

SD-44432-003

PSD 000 A8

GENERAL MARKET

1 OF 3

												X = MAKE-FIRST/BREAK-LAST CIRCUIT																			
MATERIAL NO.	CKTS	HOUSING MATERIAL	FINISH OPTION	POLARIZATION PEG	DIM A	DIM B	DIM C	CKT 1	CKT 2	CKT 3	CKT 4	CKT 5	CKT 6	CKT 7	CKT 8	CKT 9	CKT 10	CKT 11	CKT 12	CKT 13	CKT 14	CKT 15	CKT 16	CKT 17	CKT 18	CKT 19	CKT 20	CKT 21	CKT 22	CKT 23	CKT 24
	04	A																													
44432-0631	06	A	A	YES	$\frac{16.00}{.630}$	$\frac{6.00}{.236}$	$\frac{15.00}{.590}$						X																		
44432-0833	08	A	C	YES	$\frac{19.00}{.748}$	$\frac{9.00}{.354}$	$\frac{18.00}{.709}$	X	X	X	X	X	X	X																	
44432-0834	08	A	C	YES	$\frac{19.00}{.748}$	$\frac{9.00}{.354}$	$\frac{18.00}{.709}$			X																					
44432-1032	10	A	B	YES	$\frac{22.00}{.866}$	$\frac{12.00}{.472}$	$\frac{21.00}{.827}$	X			X		X																		
44432-1033	10	A	C	YES	$\frac{22.00}{.866}$	$\frac{12.00}{.472}$	$\frac{21.00}{.827}$					X	X				X														
44432-1232	12	A	B	YES	$\frac{25.00}{.984}$	$\frac{15.00}{.590}$	$\frac{24.00}{.945}$	X				X							X												
	14	A																													
	16	A																													
	18	A																													
	20	A																													
	22	A																													
	24	A																													

CKT 1	CKT 2	CKT 3	CKT 4	CKT 5	CKT 6	CKT 7	CKT 8	CKT 9	CKT 10	CKT 11	CKT 12	CKT 13	CKT 14	CKT 15	CKT 16	CKT 17	CKT 18	CKT 19	CKT 20	CKT 21	CKT 22	CKT 23	CKT 24
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	DIMENSION UNITS	SCALE	CURRENT REV DESC: CHANGED "A" FINISH TO MATTE TIN										
$\frac{F}{A} = 0$	MM/INCH	4:1	molex MICRO-FIT (3.0) DUAL ROW VERTICAL BMI HEADER MAKE-FIRST/BREAK-LAST PRODUCT CUSTOMER DRAWING										
$\frac{F}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)												
$\frac{F}{P} = 0$	ANGULAR TOL $\pm 0.5^\circ$		EC NO: 635347 DRWN: BZAPPA 2020/03/13 CHK'D: SSOUSEK 2021/08/27 APPR: FSMITH 2021/08/27										
DIVISIONAL SYMBOLS	4 PLACES \pm		DOCUMENT NUMBER										
	3 PLACES \pm		SD-44432-003										
	2 PLACES ± 0.25		DOC TYPE DOC PART REVISION										
	1 PLACE ± 0.38		PSD 000 A8										
0 PLACES \pm		INITIAL REVISION:		MATERIAL NUMBER						CUSTOMER		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		GENERAL MARKET		2 OF 3			

								X = MAKE-FIRST/BREAK-LAST CIRCUIT																									
MATERIAL NO.	CKTS	HOUSING MATERIAL	FINISH OPTION	POLARIZATION PEG	DIM A	DIM B	DIM C	CKT 1	CKT 2	CKT 3	CKT 4	CKT 5	CKT 6	CKT 7	CKT 8	CKT 9	CKT 10	CKT 11	CKT 12	CKT 13	CKT 14	CKT 15	CKT 16	CKT 17	CKT 18	CKT 19	CKT 20	CKT 21	CKT 22	CKT 23	CKT 24		
	04	B																															
44432-0634	06	B	C	YES	$\frac{16.00}{.630}$	$\frac{6.00}{.236}$	$\frac{15.00}{.590}$		X																								
	08	B																															
	08	B																															
44432-1034	10	B	C	YES	$\frac{22.00}{.866}$	$\frac{12.00}{.472}$	$\frac{21.00}{.827}$	X									X																
	10	B																															
	12	B																															
	14	B																															
	16	B																															
	18	B																															
	20	B																															
	22	B																															
44432-2432	24	B	B	YES	$\frac{43.00}{1.693}$	$\frac{33.00}{1.299}$	$\frac{42.00}{1.653}$				X					X							X					X	X	X	X		
44432-2434	24	B	B	YES	$\frac{43.00}{1.693}$	$\frac{33.00}{1.299}$	$\frac{42.00}{1.653}$				X			X	X	X	X					X			X		X	X	X	X			

CKT 1	CKT 2	CKT 3	CKT 4	CKT 5	CKT 6	CKT 7	CKT 8	CKT 9	CKT 10	CKT 11	CKT 12	CKT 13	CKT 14	CKT 15	CKT 16	CKT 17	CKT 18	CKT 19	CKT 20	CKT 21	CKT 22	CKT 23	CKT 24
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0 PLACES \pm		INITIAL REVISION:		2009/11/20		PSD		000		A8			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				C-SIZE		44432		GENERAL MARKET		3 OF 3			