

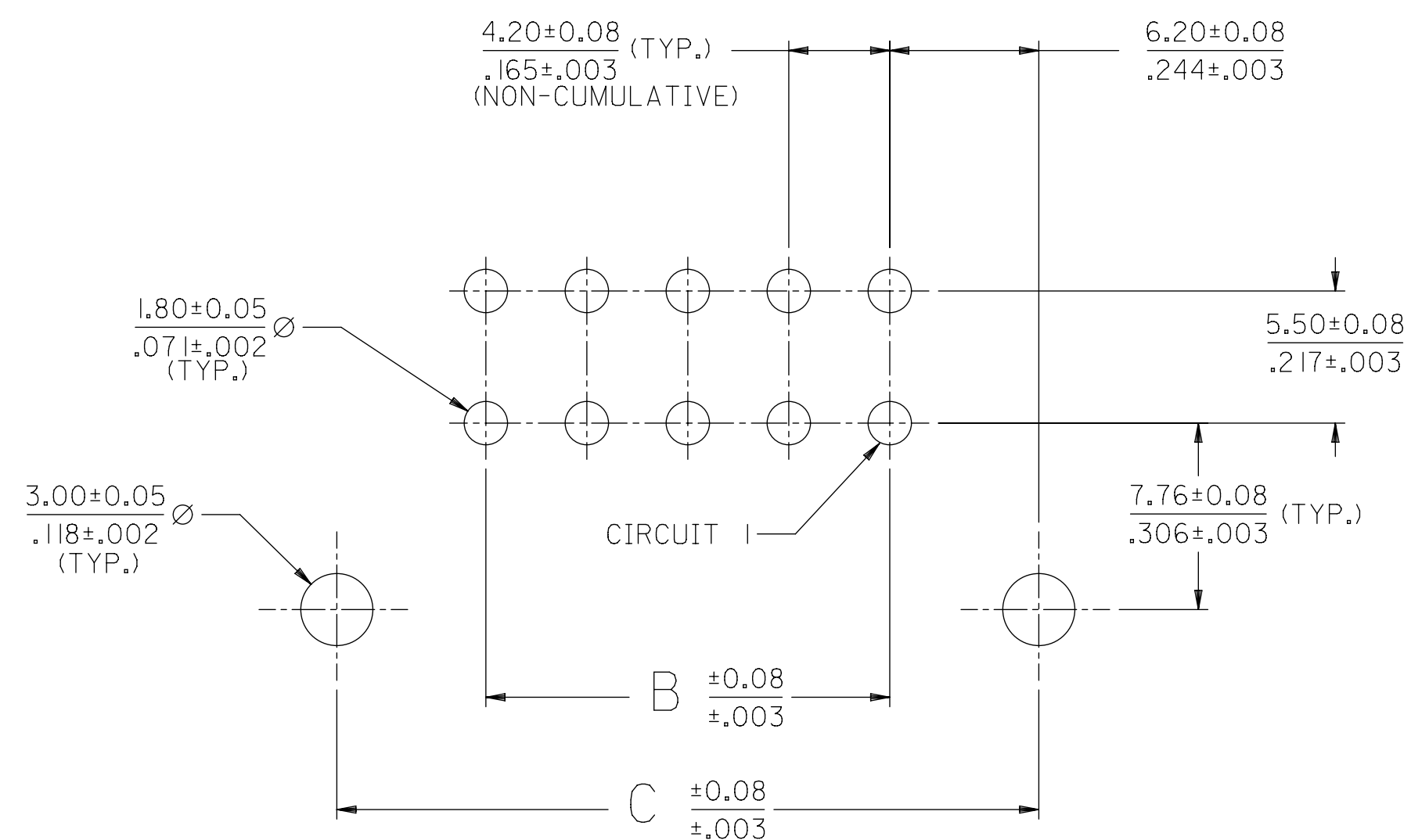
20 CKT SHOWN

NOTES

- 1) MATERIALS
HOUSING: NYLON 4/6 UL 94V-0 GLASS FILLED, COLOR: BLACK
TERMINAL: BRASS
BOARD RETENTION CLIP: BRASS
- 2) FINISHES:
TERMINAL:
1.=(0.00254)/.000100 MIN. MATTE TIN OVER
(0.00127)/.000050 MIN. NICKEL
2.=(0.00076)/.000030 MIN. SELECT GOLD AND
(0.00254)/.000100 MIN. SELECT MATTE TIN
OVER (0.00127)/.000050 MIN. NICKEL OVERALL
MOUNTING CLIP:
(0.00254)/.000100 MIN. MATTE TIN OVER
(0.00127)/.000050 MIN. NICKEL
- 3) PRODUCT SPECIFICATION: PS-43810-001
- 4) PACKAGING SPECIFICATION: PK-43810-001
- 5) PARTS MATES WITH MOLEX RECPTACLE #5557, #42474, AND #44516 AND HEADER #42385
- 6) PART ALLOWS FOR (1.27)/.050 MAX MIS-ALIGNMENT WITH MATING HOUSINGS IN ANY DIRECTION
- 7) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE
- 8) PARTS ARE NOT DESIGNED FOR CURRENT SHARING
- 9) DISCOLORATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.
- 10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002
- 11) CIRCUITS SHOWN PROVIDE MATE-FIRST/BREAK-LAST FEATURE, SEE CHART ON SHEET 2 FOR FOR CIRCUIT LOCATIONS. FOR PRODUCT NOT REQUIRING MATE-FIRST/BREAK-LAST OPTIONS, SEE DRAWINGS SD-43810-011, -031, -051 AND -071.
- 12) CLIPS WILL APPEAR DIFFERENTLY ON ACTUAL PARTS DEPENDING ON PCB THICKNESS.
- 13) FORMING MARKS ARE ACCEPTABLE.

HEADER ASSEMBLY WITH NO CLIP OPTION

DETAIL A



PCB LAYOUT: COMPONENT SIDE
SEE CHART ON SHEET 2 FOR RECOMMENDED NOMINAL PCB THICKNESS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
QUALITY SYMBOLS	2015/10/13 2015/11/03 2015/11/06 CONVERT TO NX EC NO: 101635 DRWN: NKN02 CHKD: JBELL REV APPR: FSMITH	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE						
		ANGULAR TOL ± 0.5 °		MM/IN	4:1						
▽ = 0	4 PLACES ± 3 PLACES ± 2 PLACES ± 0.25 1 PLACE ± 0.38 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRWN BY		DATE		MINI-FIT JR BMI RIGHT ANGLE HEADER ASSY. SELECT. LOADED, M-F/B-L					
▽ = 0		WANG		1/5/2002							
▽ = 0		CHKD BY		DATE		PRODUCT CUSTOMER DRAWING					
▽ = 0		BANDURA		1/5/2002							
▽ = 0		APPR BY		DATE		SERIES MATERIAL NUMBER CUSTOMER 43810 SEE SHEET 2 GENERAL MARKET					
▽ = 0		FSMITH		2012/01/19							
▽ = 0	DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER		DOC TYPE		DOC PART SHEET NUMBER		
▽ = 0	D				SD-43810-080		PSD		000 1 OF 2		

PART NUMBER	CIRCUIT SIZE	CLIP OPTION	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	DIM. "F"	PCB THICKNESS (REF.)	TERMINAL PIN TYPE REQUIRED AT EACH CIRCUIT LOCATION										V = VOIDED CIRCUIT											
										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
43810-1002	24	YES	60.81 2.394	46.20 1.819	58.60 2.307	1.90 .075	3.65 .144	3.1 .12	1.60 .063	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	C	C
43810-1006	24	YES	60.81 2.394	46.20 1.819	58.60 2.307	3.50 .138	5.25 .207	5.08 .200	3.18 .125	I	I	V	V	I	I	I	I	I	I	I	I	V	V	I	I	I	I	I	I	I	I
43810-1008	10	YES	31.41 1.237	16.80 .661	29.20 1.150	2.71 .107	4.46 .176	3.1 .12	2.39 .094	A	B	A	A	A	A	B	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-
43810-1009	24	YES	60.81 2.394	46.20 1.819	58.60 2.307	2.71 .107	4.46 .176	3.6 .14	2.39 .094	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
43810-1010	06	YES	23.01 .906	8.40 .331	20.80 .819	1.90 .075	3.65 .144	3.1 .12	1.60 .063	A	A	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TERMINAL PIN LEGEND			
PIN TYPE	FINISH (SEE NOTE 2)	MATING TYPE	DIM. "F" (REF.)
A	I	STD.	3.1 .12
B	I	M-F-B-L	3.1 .12
C	2	STD.	3.1 .12
D	2	M-F-B-L	3.1 .12
E	I	STD.	3.94 .155
F	I	M-F-B-L	3.94 .155
G	2	STD.	3.94 .155
H	2	M-F-B-L	3.94 .155
I	2	STD.	5.08 .200
J	2	M-F-B-L	5.08 .200
K	I	STD.	3.6 .14
L	I	M-F-B-L	3.6 .14

QUALITY SYMBOLS 	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	2015/10/13	2015/11/03	2015/11/06	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE						
	EC NO: 101635	DRWN: NKN02	CHKD: JBELL	ANGULAR TOL ± 0.5 °		MM/IN	1:1						
	SEE SHEET 1	E4	4 PLACES ±	WANG		DATE	1/5/2002		MINI-FIT JR BMI RIGHT ANGLE HEADER ASSY. SELECT. LOADED, M-F/B-L				
			3 PLACES ±	BANDURA		DATE	1/5/2002						
			2 PLACES ± 0.25	FSMITH		DATE	2012/01/19						
			1 PLACE ± 0.38	DRAFT WHERE APPLICABLE		THIRD ANGLE PROJECTION		D					
			0 PLACES ±	MUST REMAIN WITHIN DIMENSIONS		D		D					
	SERIES		MATERIAL NUMBER		CUSTOMER		PRODUCT CUSTOMER DRAWING						
	43810		SEE CHART		GENERAL MARKET								
DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER							
SD-43810-080		PSD		000		2 OF 2							