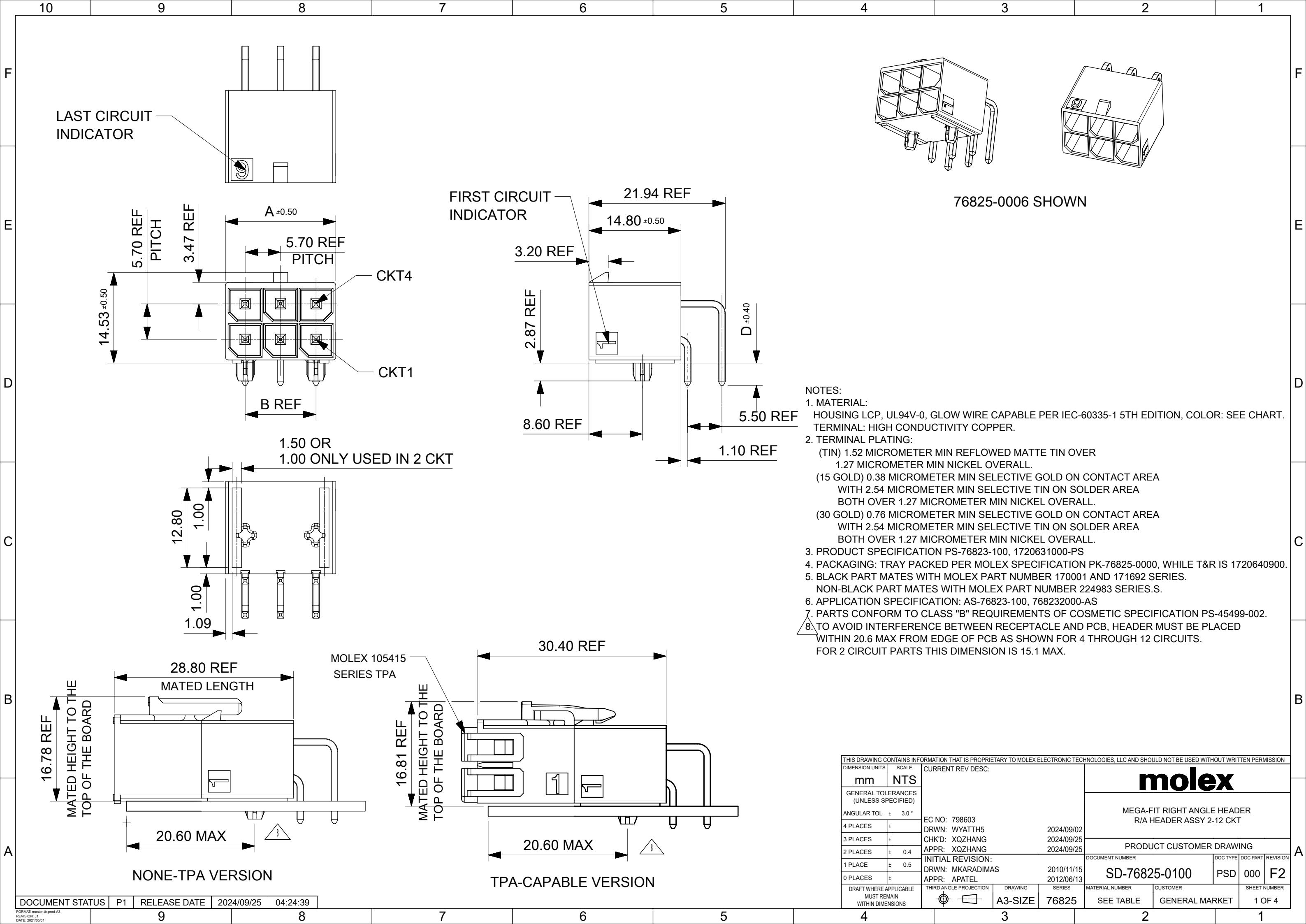
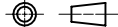




- NOTES:
1. MATERIAL:
HOUSING LCP, UL94V-0, GLOW WIRE CAPABLE PER IEC-60335-1 5TH EDITION, COLOR: SEE CHART.
TERMINAL: HIGH CONDUCTIVITY COPPER.
 2. TERMINAL PLATING:
(TIN) 1.52 MICROMETER MIN REFLOWED MATTE TIN OVER
1.27 MICROMETER MIN NICKEL OVERALL.
(15 GOLD) 0.38 MICROMETER MIN SELECTIVE GOLD ON CONTACT AREA
WITH 2.54 MICROMETER MIN SELECTIVE TIN ON SOLDER AREA
BOTH OVER 1.27 MICROMETER MIN NICKEL OVERALL.
(30 GOLD) 0.76 MICROMETER MIN SELECTIVE GOLD ON CONTACT AREA
WITH 2.54 MICROMETER MIN SELECTIVE TIN ON SOLDER AREA
BOTH OVER 1.27 MICROMETER MIN NICKEL OVERALL.
 3. PRODUCT SPECIFICATION PS-76823-100, 1720631000-PS
 4. PACKAGING: TRAY PACKED PER MOLEX SPECIFICATION PK-76825-0000, WHILE T&R IS 1720640900.
 5. BLACK PART MATES WITH MOLEX PART NUMBER 170001 AND 171692 SERIES.
NON-BLACK PART MATES WITH MOLEX PART NUMBER 224983 SERIES.S.
 6. APPLICATION SPECIFICATION: AS-76823-100, 768232000-AS
 7. PARTS CONFORM TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
 8. TO AVOID INTERFERENCE BETWEEN RECEPTACLE AND PCB, HEADER MUST BE PLACED
WITHIN 20.6 MAX FROM EDGE OF PCB AS SHOWN FOR 4 THROUGH 12 CIRCUITS.
FOR 2 CIRCUIT PARTS THIS DIMENSION IS 15.1 MAX.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex MEGA-FIT RIGHT ANGLE HEADER R/A HEADER ASSY 2-12 CKT							
mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
ANGULAR TOL ± 3.0 °				EC NO: 798603 DRWN: WYATTH5 2024/09/02 CHK'D: XQZHANG 2024/09/25 APPR: XQZHANG 2024/09/25				PRODUCT CUSTOMER DRAWING							
4 PLACES		±													
3 PLACES		±													
2 PLACES		± 0.4													
1 PLACE		± 0.5													
0 PLACES		±		INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
DRWN: MKARADIMAS 2010/11/15				2012/06/13				SD-76825-0100		PSD		000		F2	
APPR: APATEL															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		76825		SEE TABLE		GENERAL MARKET		1 OF 4			

[illegible]

10		9		8		7		6		5		4		3		2		1						
	CKT SIZE	PART NO.	PLATING	DIM A	DIM B	DIM C	DIM D	PK SPEC	HEADER COLOR		CKT SIZE	PART NO.	PLATING	DIM A	DIM B	DIM C	DIM D	PK SPEC	HEADER COLOR					
	2	76825-0002	TIN	8.35	N/A	9.35	3.60	TRAY	BLACK		2	172064-0202	TIN	8.35	N/A	9.35	3.60	TRAY	NATURAL					
	4	76825-0004	TIN	12.05	N/A	13.05	3.60				4	172064-0204		12.05	N/A	13.05	3.60							
	6	76825-0006	TIN	17.75	11.4	18.75	3.60				6	172064-0206		17.75	11.4	18.75	3.60							
	8	76825-0008	TIN	23.45	17.1	24.45	3.60				8	172064-0208		23.45	17.1	24.45	3.60							
	10	76825-0010	TIN	29.15	22.8	30.15	3.60				10	172064-0210		29.15	22.8	30.15	3.60							
	12	76825-0012	TIN	34.85	28.5	35.85	3.60				12	172064-0212		34.85	28.5	35.85	3.60							
											2	172064-0302		8.35	N/A	9.35	3.60							
	2	76825-0102	TIN	8.35	N/A	9.35	2.50				4	172064-0304		12.05	N/A	13.05	3.60							
	4	76825-0104	TIN	12.05	N/A	13.05	2.50				6	172064-0306		17.75	11.4	18.75	3.60							
	6	76825-0106	TIN	17.75	11.4	18.75	2.50				8	172064-0308		23.45	17.1	24.45	3.60							
	8	76825-0108	TIN	23.45	17.1	24.45	2.50				10	172064-0310		29.15	22.8	30.15	3.60							
	10	76825-0110	TIN	29.15	22.8	30.15	2.50				12	172064-0312		34.85	28.5	35.85	3.60							
	12	76825-0112	TIN	34.85	28.5	35.85	2.50				2	172064-0402		8.35	N/A	9.35	3.60							
											4	172064-0404		12.05	N/A	13.05	3.60							
	2	172064-0002	15 GOLD	8.35	N/A	9.35	3.60				6	172064-0406		17.75	11.4	18.75	3.60							
	4	172064-0004	15 GOLD	12.05	N/A	13.05	3.60				8	172064-0408		23.45	17.1	24.45	3.60							
	6	172064-0006	15 GOLD	17.75	11.4	18.75	3.60				10	172064-0410		29.15	22.8	30.15	3.60							
	8	172064-0008	15 GOLD	23.45	17.1	24.45	3.60				12	172064-0412		34.85	28.5	35.85	3.60							
	10	172064-0010	15 GOLD	29.15	22.8	30.15	3.60				2	172064-0502		8.35	N/A	9.35	3.60							
	12	172064-0012	15 GOLD	34.85	28.5	35.85	3.60				4	172064-0504		12.05	N/A	13.05	3.60							
	2	172064-1002	30 GOLD	8.35	N/A	9.35	3.60				6	172064-0506		17.75	11.4	18.75	3.60							
	4	172064-1004	30 GOLD	12.05	N/A	13.05	3.60				8	172064-0508		23.45	17.1	24.45	3.60							
	6	172064-1006	30 GOLD	17.75	11.4	18.75	3.60				10	172064-0510		29.15	22.8	30.15	3.60							
	8	172064-1008	30 GOLD	23.45	17.1	24.45	3.60				12	172064-0512		34.85	28.5	35.85	3.60							
	10	172064-1010	30 GOLD	29.15	22.8	30.15	3.60																	
	12	172064-1012	30 GOLD	34.85	28.5	35.85	3.60																	
*	2	76825-0902	TIN	8.35	N/A	9.35	3.60	TAPE&REEL												TRAY	BLUE			
*	4	76825-0904	TIN	12.05	N/A	13.05	3.60																	
*	6	76825-0906	TIN	17.75	11.4	18.75	3.60																	
	8	76825-0908	TIN	23.45	17.1	24.45	3.60																	
*	10	76825-0910	TIN	29.15	22.8	30.15	3.60																	
	12	76825-0912	TIN	34.85	28.5	35.85	3.60																	
*	2	172064-0902	15 GOLD	8.35	N/A	9.35	3.60																	
*	4	172064-0904	15 GOLD	12.05	N/A	13.05	3.60																	
*	6	172064-0906	15 GOLD	17.75	11.4	18.75	3.60																	
	8	172064-0908	15 GOLD	23.45	17.1	24.45	3.60																	
*	10	172064-0910	15 GOLD	29.15	22.8	30.15	3.60																	
	12	172064-0912	15 GOLD	34.85	28.5	35.85	3.60																	
*	2	172064-1902	30 GOLD	8.35	N/A	9.35	3.60																	
*	4	172064-1904	30 GOLD	12.05	N/A	13.05	3.60																	
*	6	172064-1906	30 GOLD	17.75	11.4	18.75	3.60																	
	8	172064-1908	30 GOLD	23.45	17.1	24.45	3.60																	
*	10	172064-1910	30 GOLD	29.15	22.8	30.15	3.60																	
	12	172064-1912	30 GOLD	34.85	28.5	35.85	3.60																	
↑ * DESIGNATES PART NOT RELEASED CONTACT FACTORY FOR AVAILABILITY.																								
DOCUMENT STATUS		RELEASE DATE																						
9		8		7		6		5			4			3		2		1						

PRE-RELEASE
REFERENCE
USE ONLY

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DIMENSION UNITS

mm

SCALE

NTS

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL ± 3.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.4

1 PLACE ± 0.5

0 PLACES ±

THIRD ANGLE PROJECTION

DRAWING

SERIES

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 798603
DRWN: WYATTH5
CHK'D: XQZHANG
APPR: XQZHANG

INITIAL REVISION:
DRWN: MKARADIMAS
APPR: APATEL

2024/09/02
2024/09/25
2024/09/25

2010/11/15
2012/06/13

DOCUMENT NUMBER

SD-76825-0100

DOC TYPE

PSD

DOC PART

000

REVISION

F2

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

4 OF 4

A3-SIZE

76825