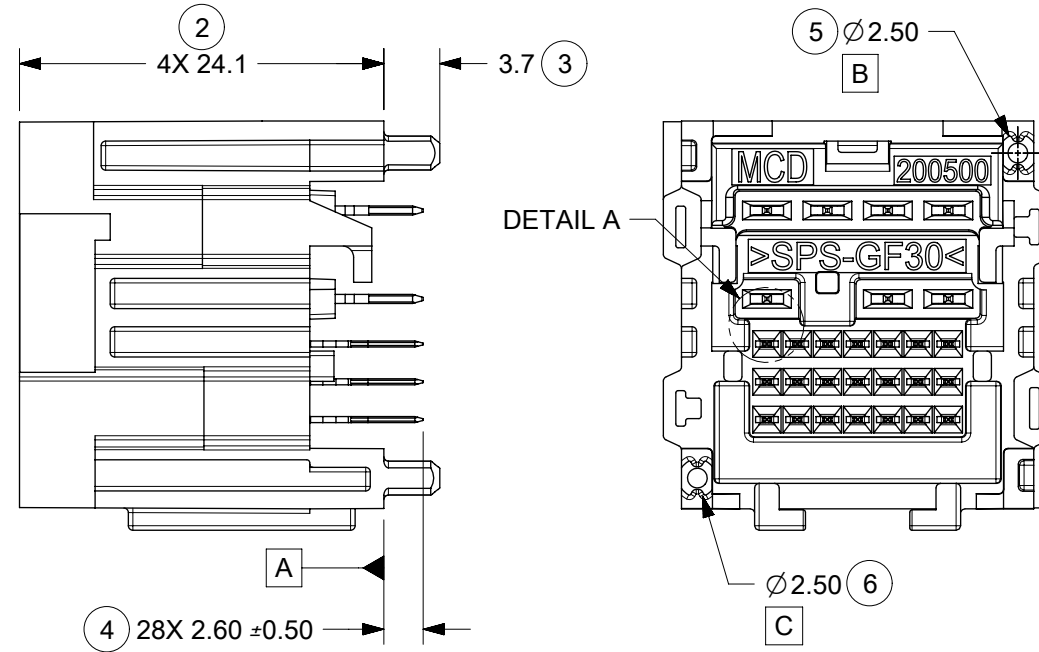


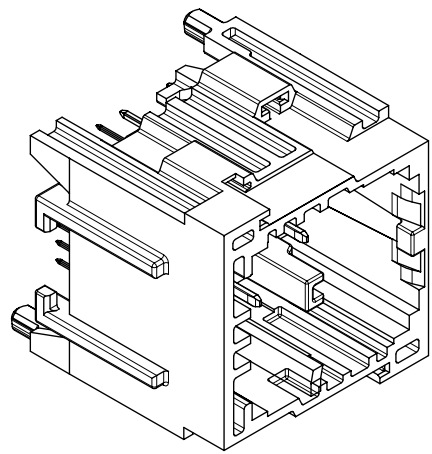
KEY 1  
PART NO. 2005010281

SEE NOTE 3g



PART NUMBER	KEY	COLOR	TERMINAL QUANTITIES	
			0.5mm	1.2mm
2005010281	1	DARK GRAY	21	7
2005010282	2	GREEN		
2005010283	3	GRAY		
2005010284	4	BLACK		

FOUR (4) KEYS AVAILABLE  
SEE INTERFACE DRAWING  
SD-160014-002 FOR DEFINITION



NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. APPLICATION SPECIFICATION 2005060000-AS
- b. PRODUCT SPECIFICATION 200506001-PS  
CLASSIFICATIONS T1V1S1 TO GMW 3191 2012  
DEGREE OF PROTECTION IP40 TO ISO 20653 WITH MOLEX MATING CONNECTOR
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING

2. DESIGN - MATERIALS:

- a. HOUSING: SPS 30% GF
- b. BLADE TERMINALS:
  - 1. 0.5MM BLADES  
BASE MATERIAL: COPPER ALLOY  
CONDUCTIVITY ≥ 28% IACS @ 20°C  
UNDERPLATE: OVERALL NICKEL  
OVERPLATE: OVERALL TIN
  - 2. 1.2MM BLADES  
BASE MATERIAL: COPPER ALLOY  
CONDUCTIVITY ≥ 28% IACS @ 20°C  
UNDERPLATE: OVERALL NICKEL  
OVERPLATE: OVERALL TIN

3. DESIGN - GEOMETRY:

- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
- b. PRODUCT DESIGN MODEL NUMBER 2005010280
- c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009
- d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- e. CORNERS SHOWN AS SHARP TO BE R 0.4 MAX.
- f. LETTERING SHALL BE MAX POSSIBLE FOR READABILITY.  
THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
- g. FOR BAY/POCKET DEFINITION SEE MOLEX INTERFACE DRAWING SD-160014-002
- h. MATING HARNESS CONNECTORS MOLEX PN:  
1600140001 (KEY 1)  
1600140002 (KEY 2)  
1600140003 (KEY 3)  
1600140004 (KEY 4)

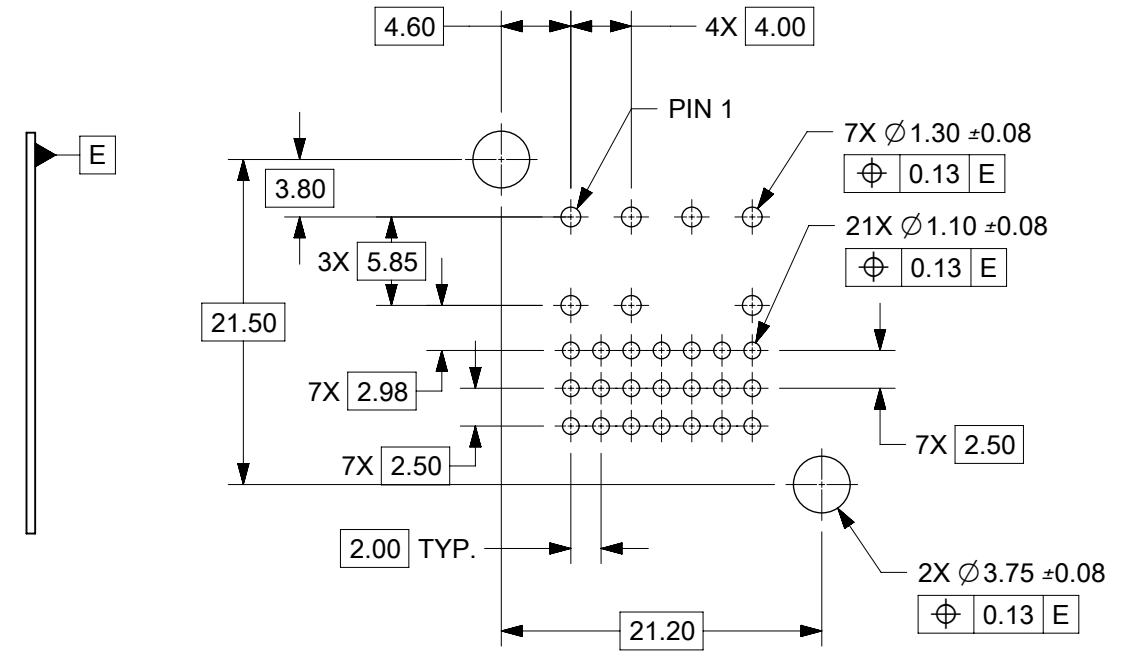
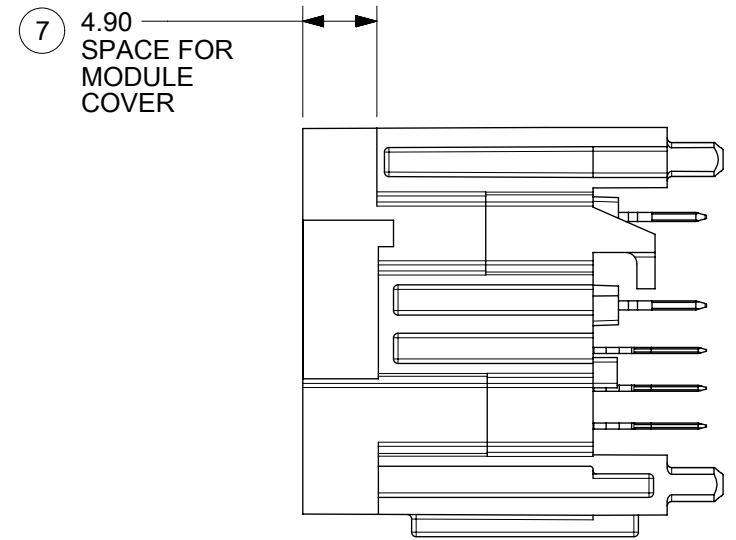
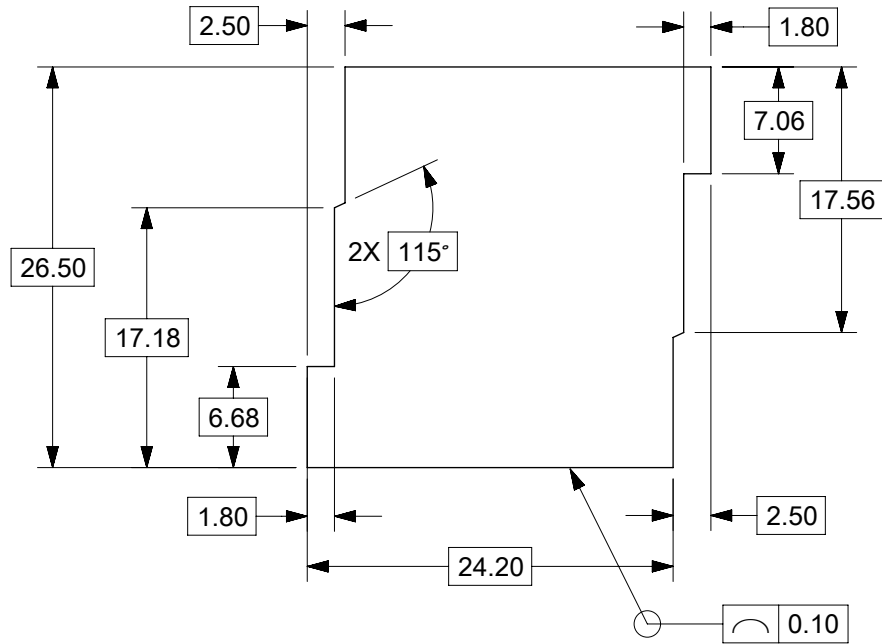
4. DESIGN - MANUFACTURING:

- a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B)
- b. REFLOW SOLDERABILITY PER SMES-152

INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: C1
LAST BALLOON NUMBER: 11B
ADDED BALLOON NUMBER: NONE
DELETED BALLOON NUMBER: NONE

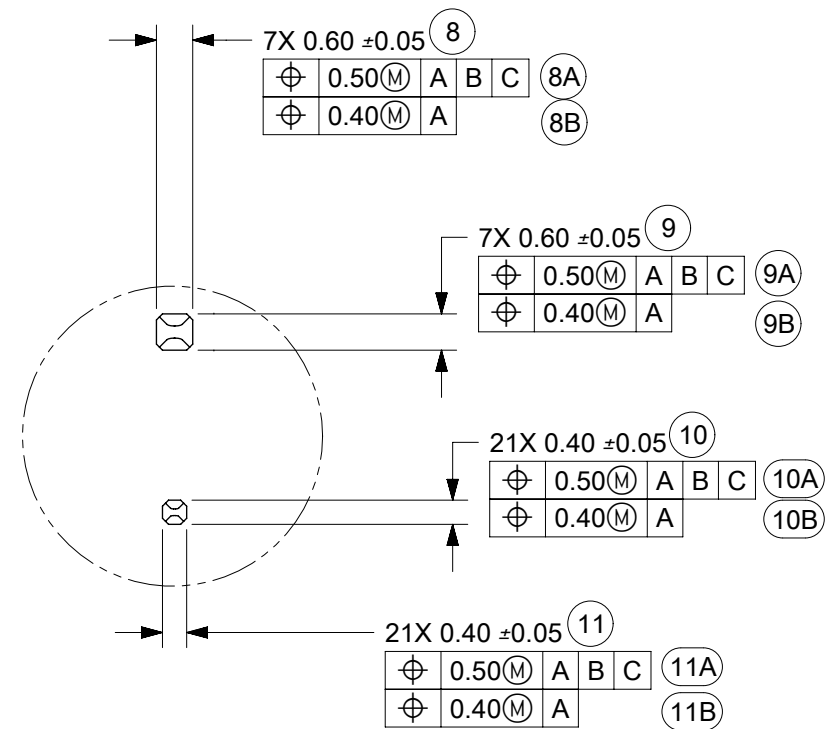
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION SHEET							
	$\nabla_A = 0$ $\nabla_B = 0$ $\nabla_C = 0$	DIMENSION UNITS <b>mm</b>	SCALE <b>2:1</b>	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± °				EC NO: 639277 DRWN: YPENG47 CHK'D: JRUTTER APPR: JCONDON	2020/02/17 2020/06/22 2020/06/23	STAK50H MOD HDR 28 VERTICAL SINGLE ASM
DIVISIONAL SYMBOLS	4 PLACES ± 0.0 3 PLACES ± 0.0 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± 0.0	INITIAL REVISION: DRWN: JRUTTER APPR: RBAUMAN	2015/05/21 2016/08/22	PRODUCT CUSTOMER DRAWING			DOCUMENT NUMBER <b>2005011280SD</b>	DOC TYPE PSD	DOC PART 000	REVISION <b>C1</b>
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING <b>B-SIZE</b>	SERIES <b>200501</b>	MATERIAL NUMBER 	CUSTOMER 	SHEET NUMBER <b>1 OF 2</b>				

RECOMMENDED MODULE OPENING  
TO PASS ISO 20653 IP40



PCB LAYOUT  
FOR REFERENCE

FOR SINGLE-BAY HEADER ONLY  
FOR MULTIPLE-BAY STACKED HEADER SEE DRAWING 2005050000



DETAIL A  
SCALE 8:1

C1	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 10-JUNE-2020 YPENG47 ECN:639277
REVISION	DESCRIPTION

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: SEE REVISION SHEET		<b>molex</b>	
FA = 0	mm	SCALE	1:1	EC NO: 639277			
GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± °		DRWN: YPENG47		2020/02/17	
FA = 0	4 PLACES	± 0.0		CHK'D: JRUTTER		2020/06/22	
FA = 0	3 PLACES	± 0.0		APPR: JCONDON		2020/06/23	
DIVISIONAL SYMBOLS		1 PLACE ± 0.25		INITIAL REVISION:		PRODUCT CUSTOMER DRAWING	
		0 PLACES ± 0.0		DRWN: JRUTTER		DOCUMENT NUMBER	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: RBAUMAN		2015/05/21	
		THIRD ANGLE PROJECTION		DRAWING		2016/08/22	
		B-SIZE		SERIES		200501	
				MATERIAL NUMBER		CUSTOMER	
						SHEET NUMBER	
						2 OF 2	