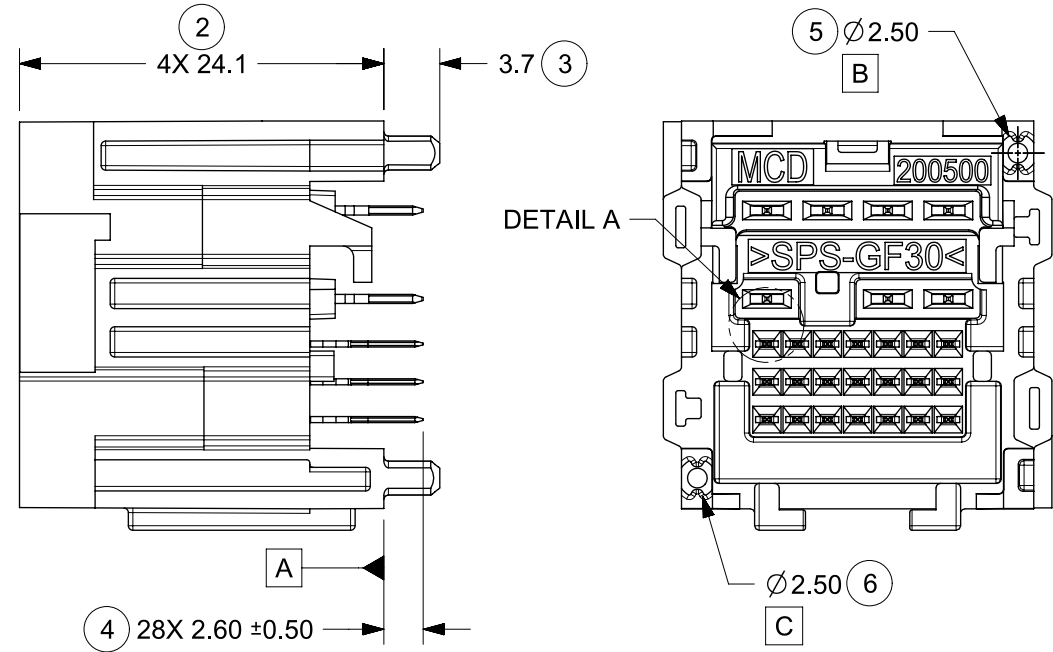
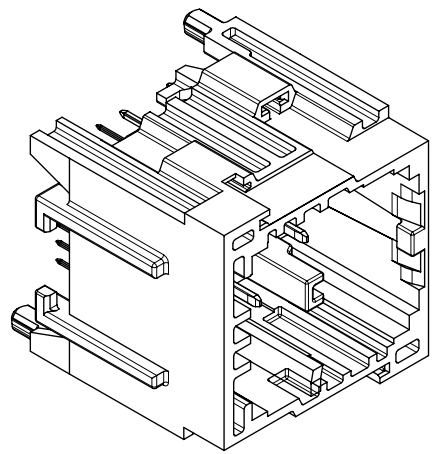


KEY 1
PART NO. 2005010281



PART NUMBER TUBE PACKAGING 2005058100	PART NUMBER TRAY PACKAGING 2005053013-PK	KEY	COLOR	TERMINAL QUANTITIES	
				0.5mm	1.2mm
2005010281	2005011281	1	DARK GRAY	21	7
2005010282	2005011282	2	GREEN		
2005010283	2005011283	3	GRAY		
2005010284	2005011284	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 2005060001-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:
1600140011 (KEY 1)
1600140012 (KEY 2)
1600140013 (KEY 3)
1600140014 (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: D1
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																	
DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE																							
MM		2:1		STATUS: Production DRWN: Praveen Kumar S CHK'D: Kun Du APPR: Ringo Hu																							
GENERAL TOLERANCES (UNLESS SPECIFIED)																											
ANGULAR TOL ±																											
4 PLACES ±																											
DIVISIONAL SYMBOLS														2024-01-09		2024-01-12		2024-01-12		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
3 PLACES ±		± 0.130		1 PLACE ± 0.25		0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER							
2 PLACES ±		± 0.130		1 PLACE ± 0.25		0 PLACES ±				B-SIZE		200501		SEE TABLE				1 OF 2									

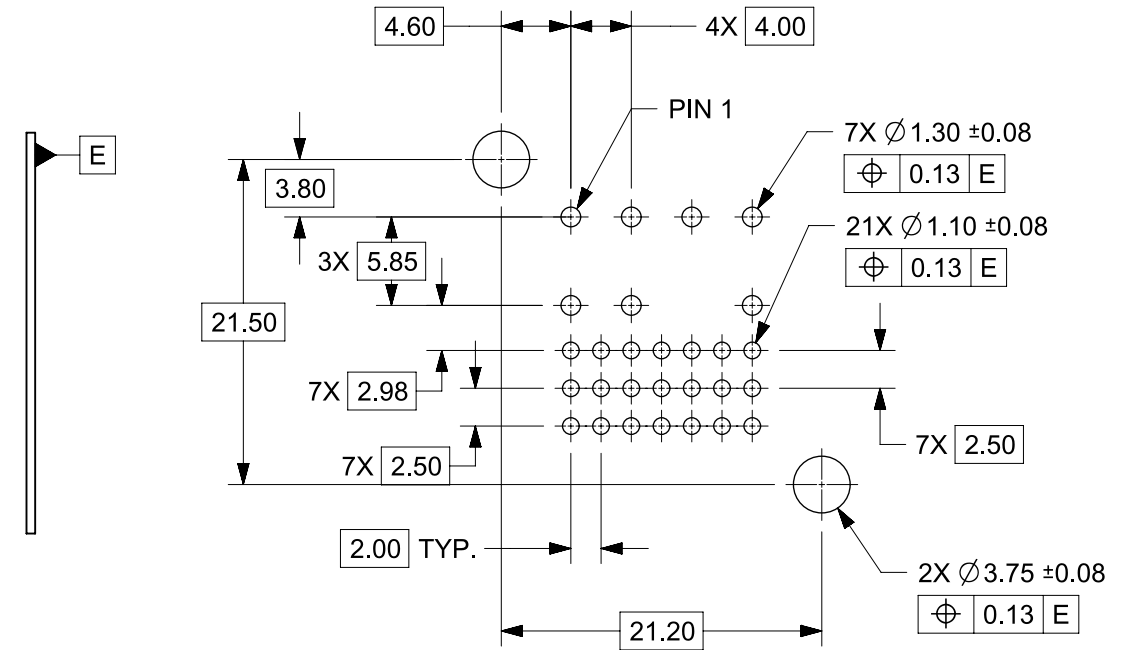
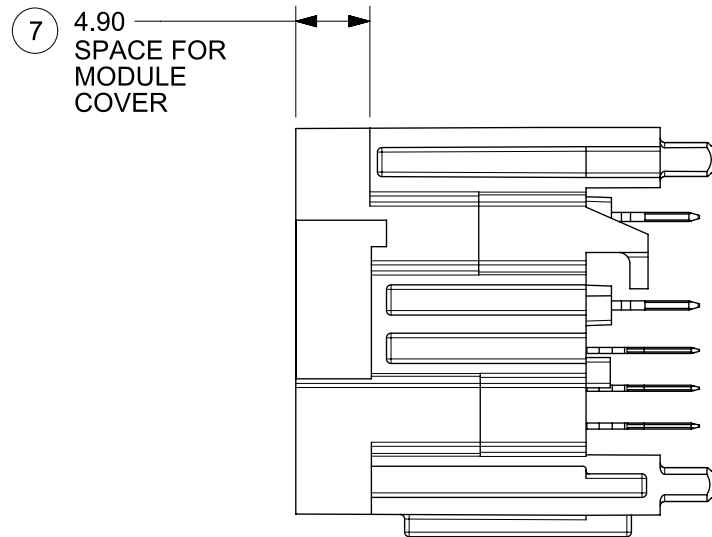
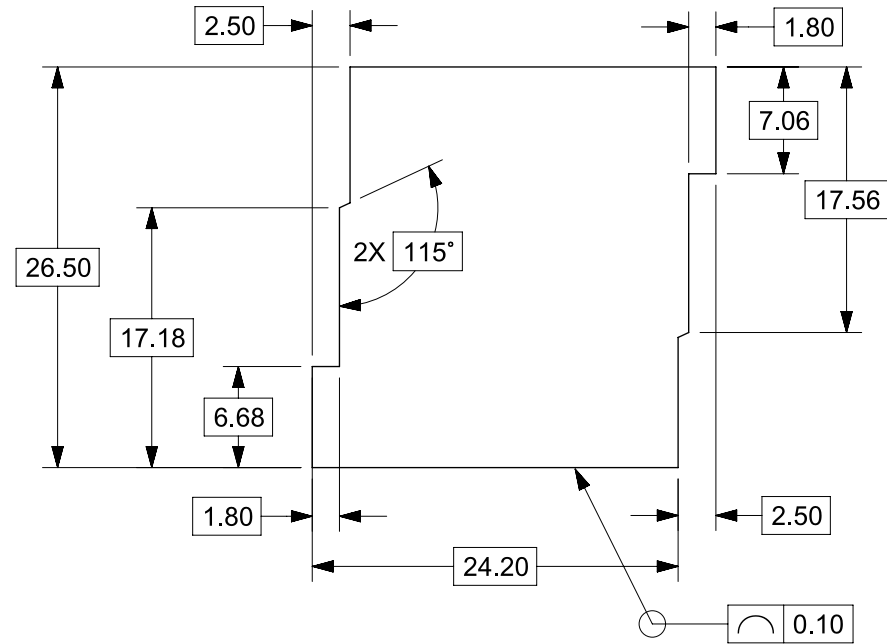
molex

STAK50H MOD HDR 28 VERTICAL SINGLE ASM

PRODUCT SALES DRAWING

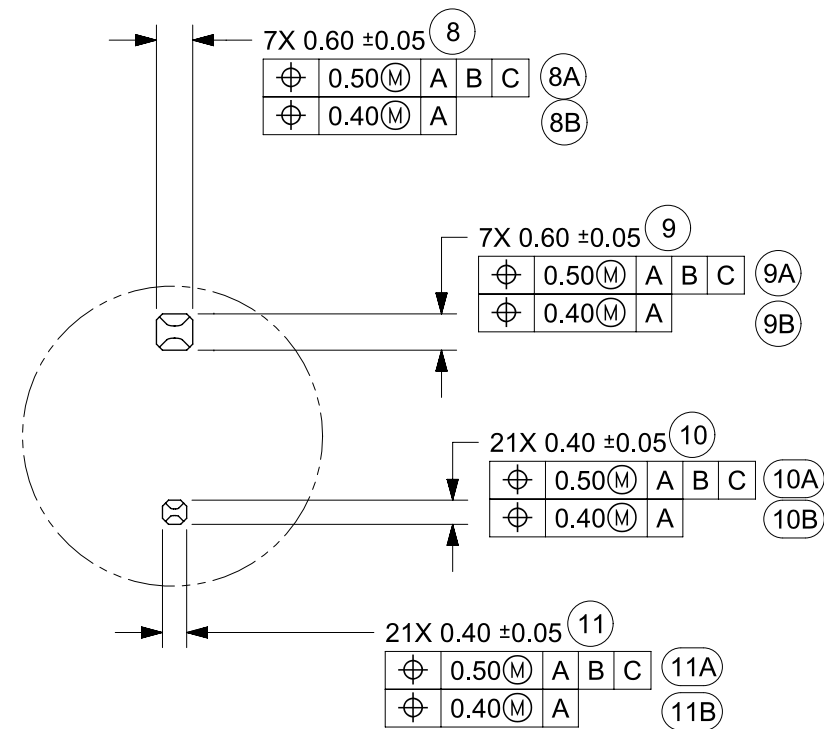
2005011280SD PSD 000 D1

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

D1	TITLE BLOCK UPDATE
D	UPDATED THE PACKAGING DETAILS
C1	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 10-JUNE-2020 YPENG47 ECN:639277
REVISION	DESCRIPTION

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
FUNCTIONAL SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE						
∇/A = 0	MM	1:1	molex STAK50H MOD HDR 28 VERTICAL SINGLE ASM PRODUCT SALES DRAWING DOCUMENT NUMBER: 2005011280SD DOC TYPE: PSD DOC PART: 000 REVISION: D1 STATUS: Production DRWN: Praveen Kumar S 2024-01-09 CHK'D: Kun Du 2024-01-12 APPR: Ringo Hu 2024-01-12 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING: B-SIZE SERIES: 200501 MATERIAL NUMBER: SEE TABLE CUSTOMER: SHEET NUMBER: 2 OF 2						
∇/E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)								
∇/F = 0	ANGULAR TOL ±								
	4 PLACES ±								
DIVISIONAL SYMBOLS	3 PLACES ±								
	2 PLACES ± 0.130								
	1 PLACE ± 0.25								
	0 PLACES ±								