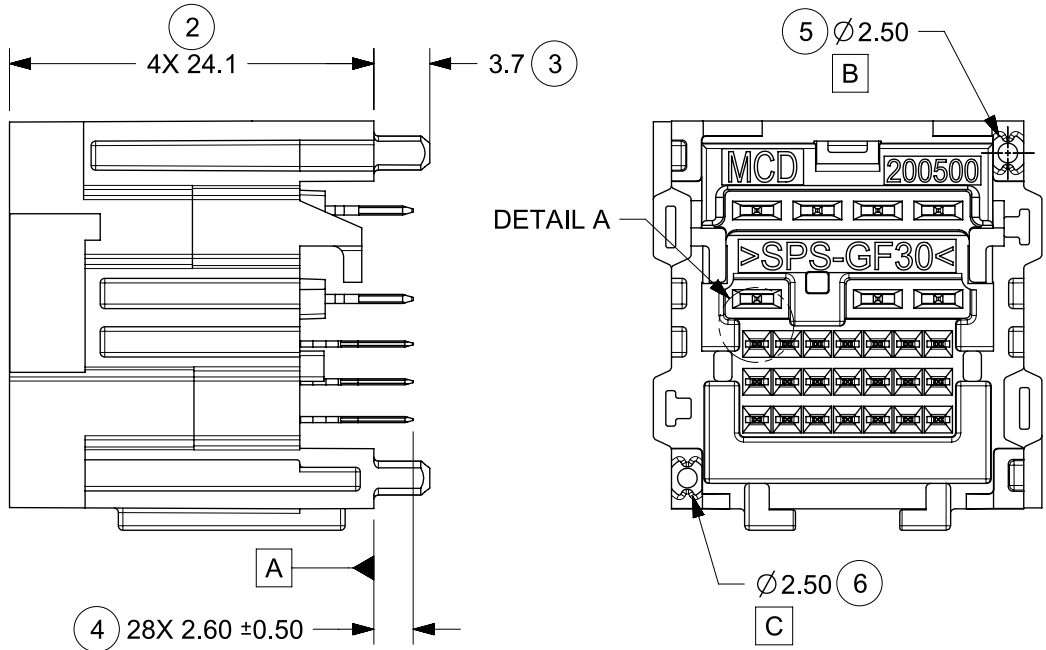
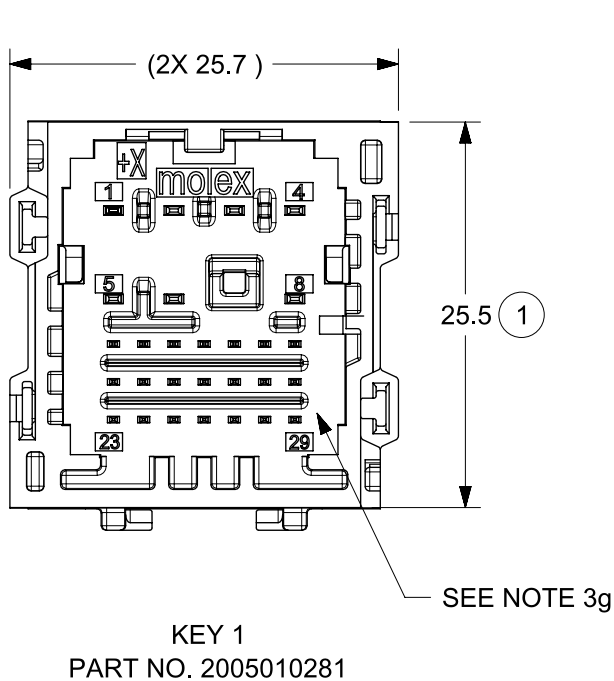
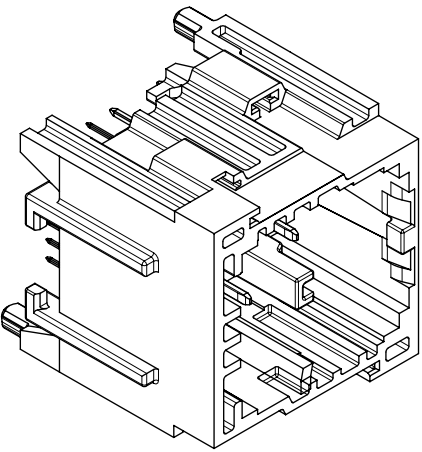




- NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:
- a. APPLICATION SPECIFICATION 2005060000-AS
 - b. PRODUCT SPECIFICATION 2005060001-PS
 - c. CLASSIFICATIONS T2V1S1 TO GMW 3191 2012
 - d. DEGREE OF PROTECTION IP40 TO ISO 20653 WITH MOLEX MATING CONNECTOR
 - e. PACKAGING SPECIFICATION PER MOLEX DRAWING
2. DESIGN - MATERIALS:
- a. HOUSING: SPS 30% GF
 - b. BLADE TERMINALS:
 - 1. 0.5MM BLADES
 - BASE MATERIAL: COPPER ALLOY
 - UNDERPLATE: OVERALL NICKEL
 - OVERPLATE: OVERALL TIN
 - 2. 1.2MM BLADES
 - BASE MATERIAL: COPPER ALLOY
 - 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

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	21	7
D3 3065840281	3065841281	1	DRAK GRAY		
D4 3065840282	3065841282	2	GREEN		
D4 3065840283	3065841283	3	GRAY		
D4 3065840284	3065841284	4	BLACK		

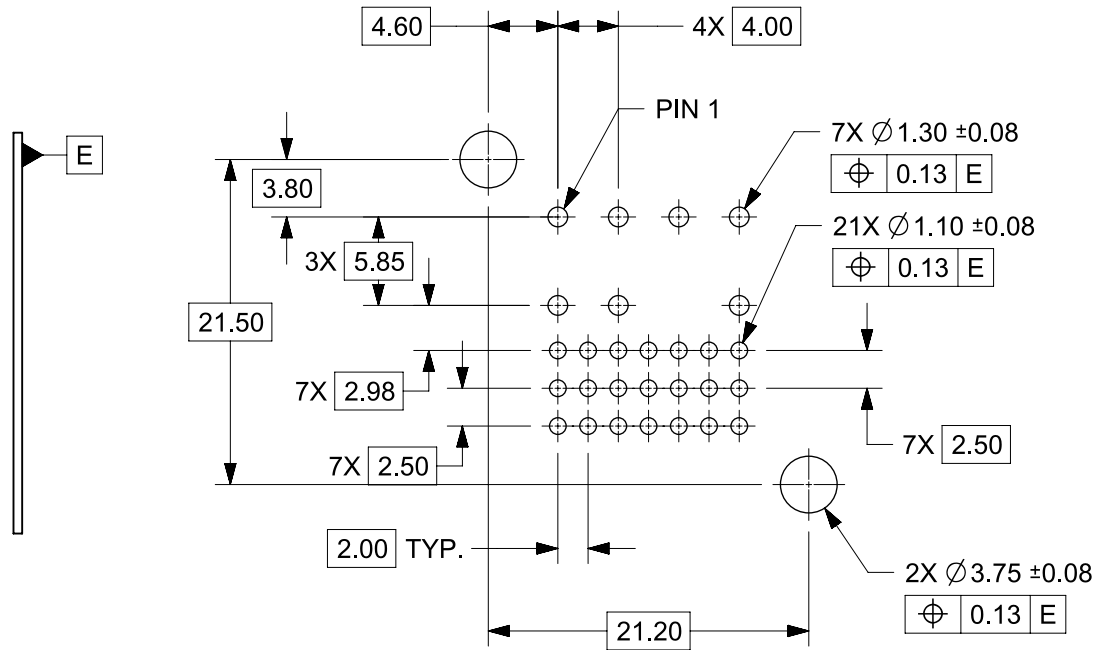
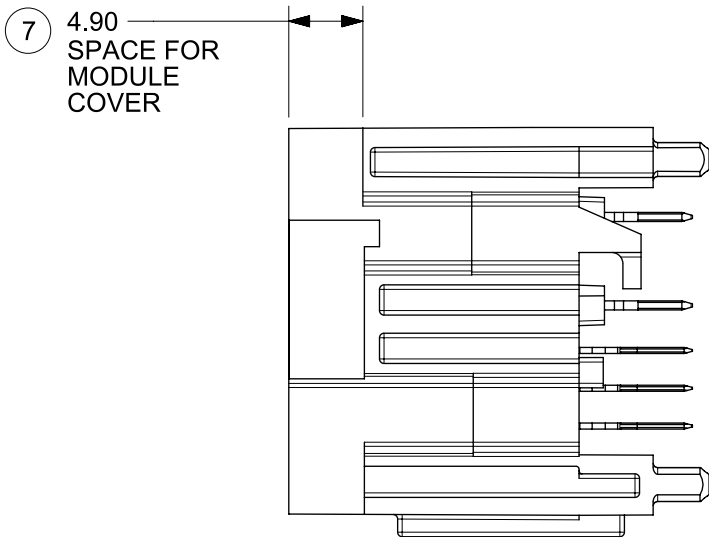
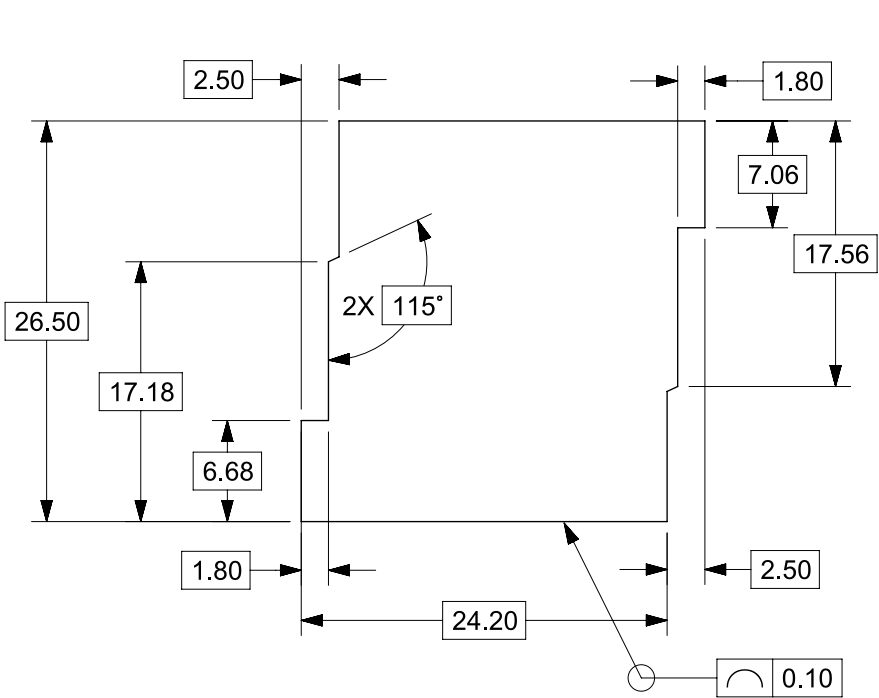
FOUR (4) KEYS AVAILABLE
SEE INTERFACE DRAWING
SD-160014-002 FOR DEFINITION



INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: D1
LAST BALLOON NUMBER: 11B
ADDED BALLOON NUMBER: NONE
DELETED BALLOON NUMBER: NONE

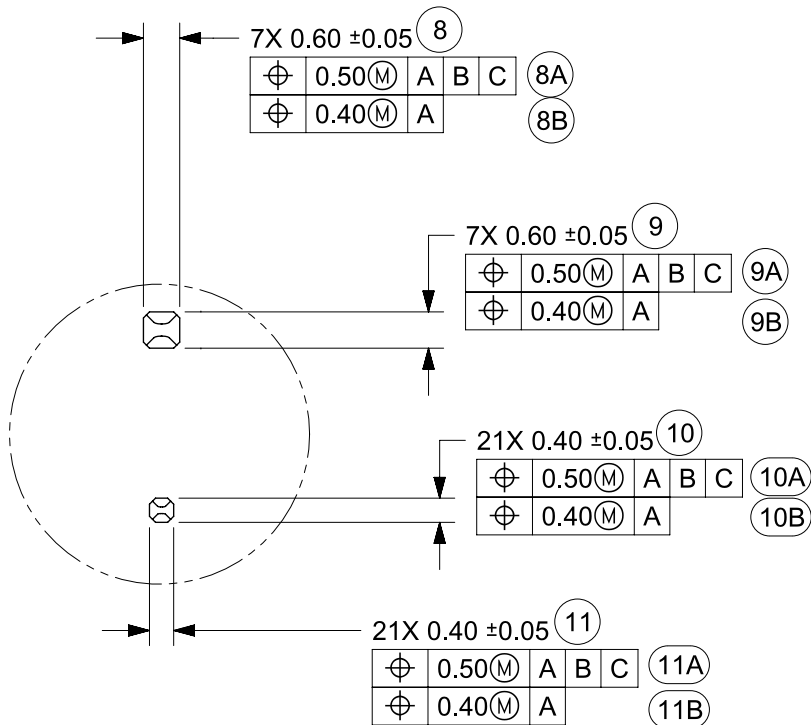
		SEE SHEET 2																					
		REVISION			DESCRIPTION																		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																							
FUNCTIONAL SYMBOLS FA = 0 FE = 0 FP = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE					moLEX STAK50H MOD HDR 28 VERTICAL SINGLE ASM													
	MM		2:1																				
	GENERAL TOLERANCES (UNLESS SPECIFIED)																						
	ANGULAR TOL ± °																						
	4 PLACES		±							STATUS: Production DRWN: Alan Nunez 2026-08-11 CHK'D: Alan Nunez 2026-08-11 APPR: ENRIQUE CEDEÑO 2026-08-12					PRODUCT CUSTOMER DRAWING								
	3 PLACES		±												DOCUMENT NUMBER					DOC TYPE	DOC PART	REVISION	
	2 PLACES		± 0.130												2005011280SD					PSD	000	D4	
	1 PLACE		± 0.25																				
	0 PLACES		±																				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER			SHEET NUMBER		
						B-SIZE		200501		SEE TABLE					1 OF 2								

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

D4	ADDED 306584 SERIES PN FOR KEYS 2 - 4
D3	ADDED NEW PN: 3065840281, 3065841281
D2	NOTES 1.B AND 2.B UPDATED
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 A = 0 E = 0 P = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE		molex				
	MM	1:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)								
	ANGULAR TOL	±			*				
	4 PLACES	±							
	3 PLACES	±							
	2 PLACES	±	0.130						
	1 PLACE	±	0.25						
	0 PLACES	±							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
			B-SIZE	200501	2005011280SD		PSD	000	D4
					MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
					SEE TABLE				2 OF 2