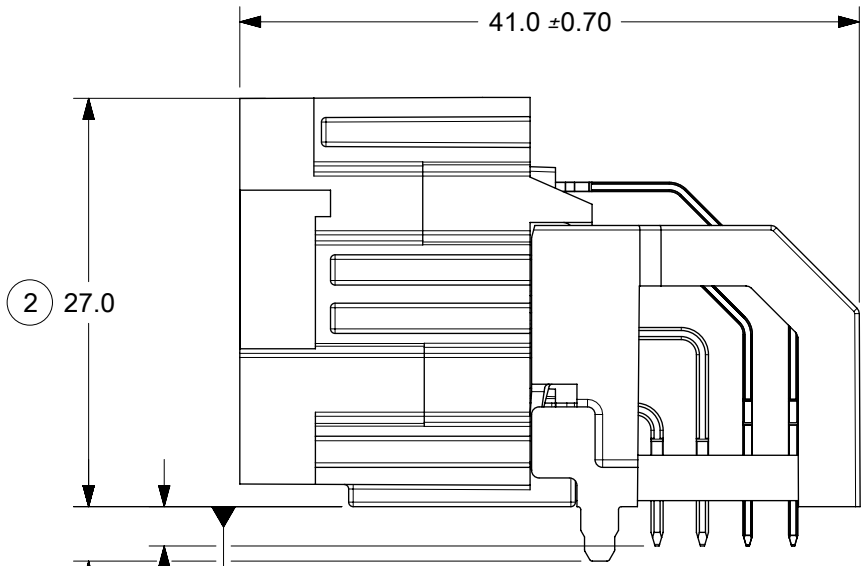


KEY 1  
PART NO. 2005020121

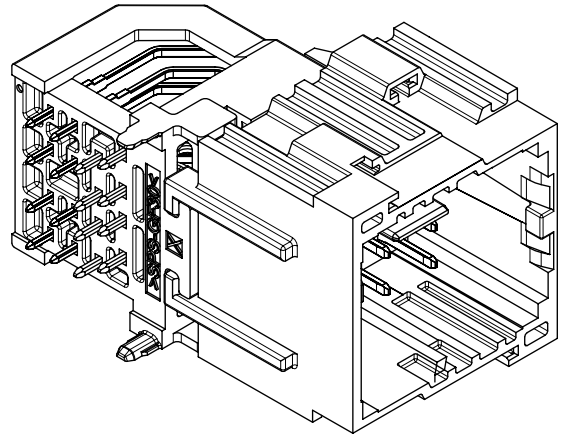
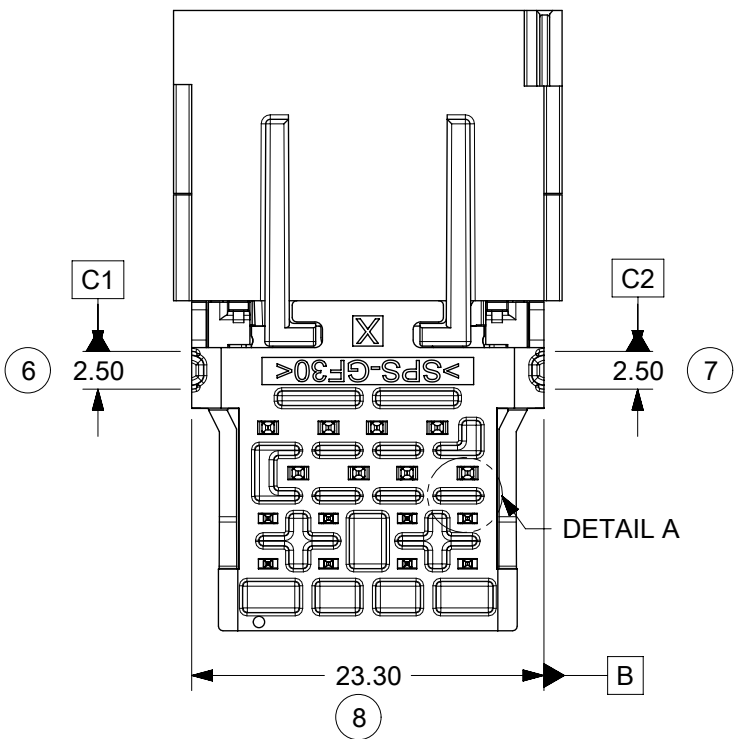


- ⑤ 2X 3.6
- ④ 16X 2.60 ± 0.50

PART NUMBER	KEY	COLOR	TERMINAL QUANTITIES	
			1.2mm	2.8mm
2005020121	1	BLACK	8	4
2005020122	2	GREEN		
2005020123	3	PURPLE		
2005020124	4	GRAY		

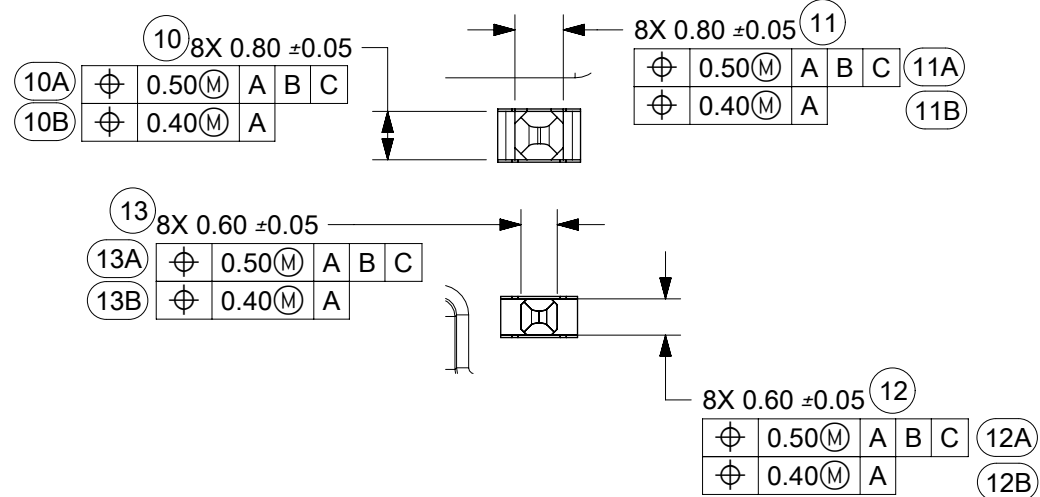
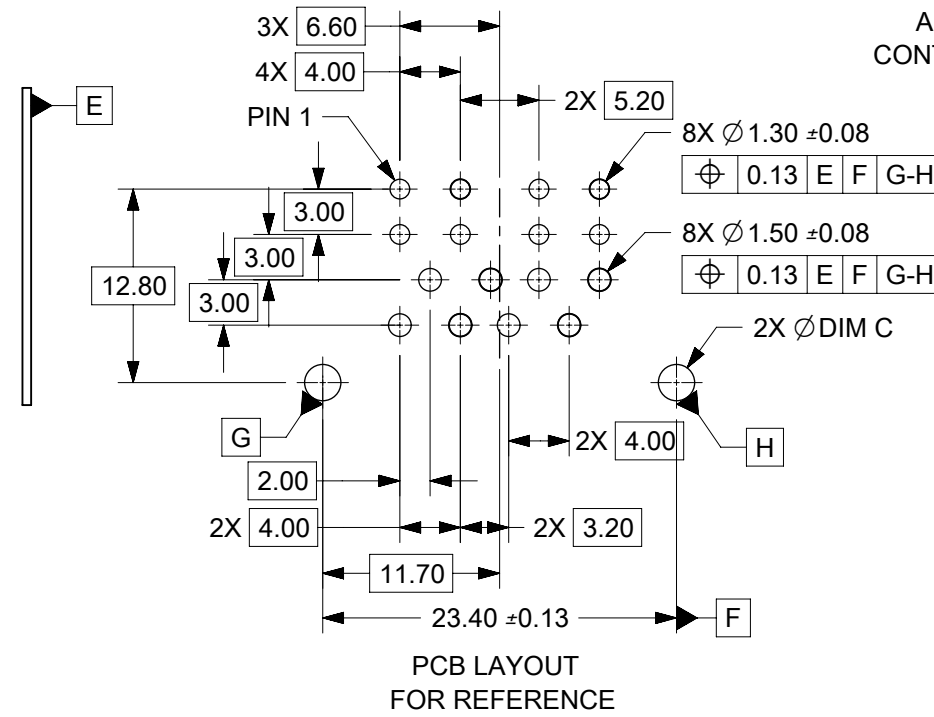
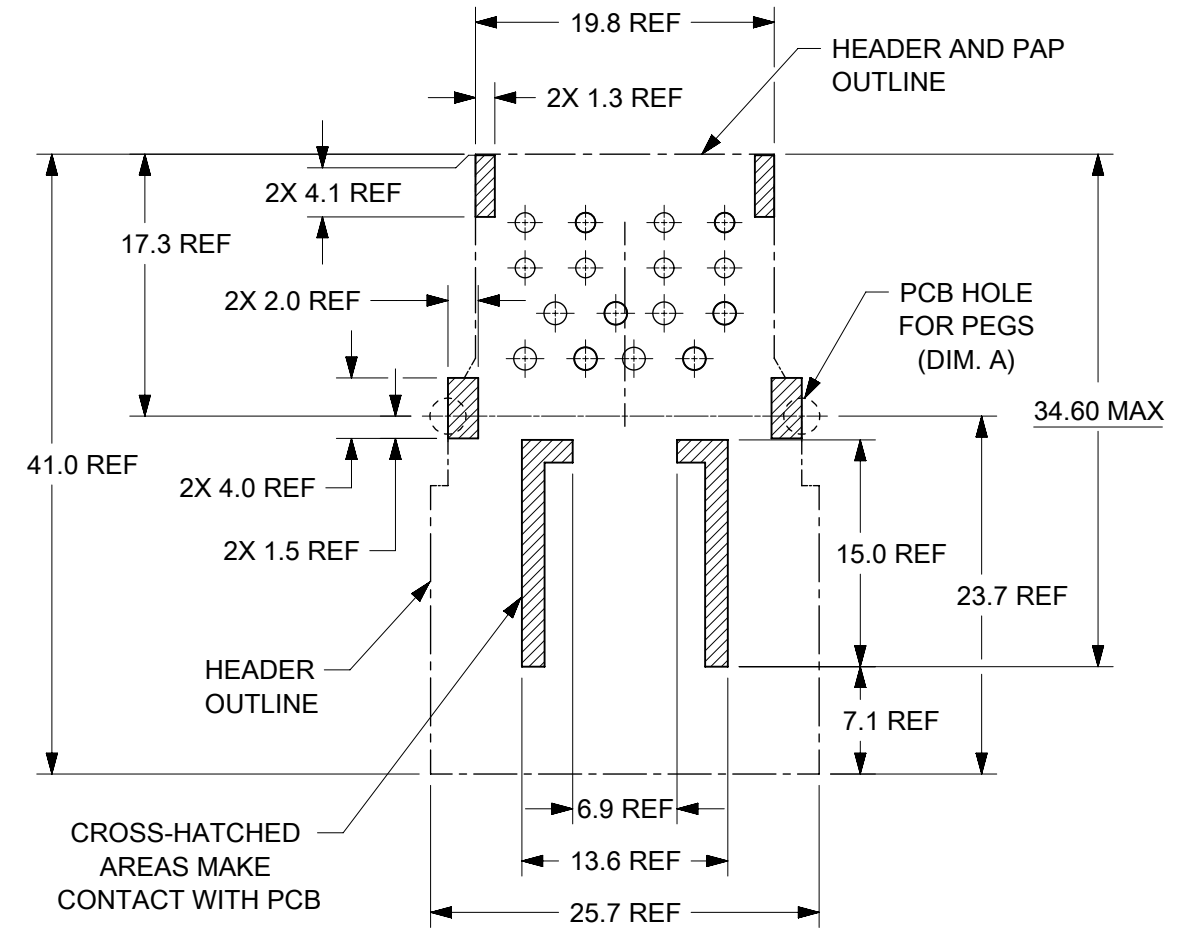
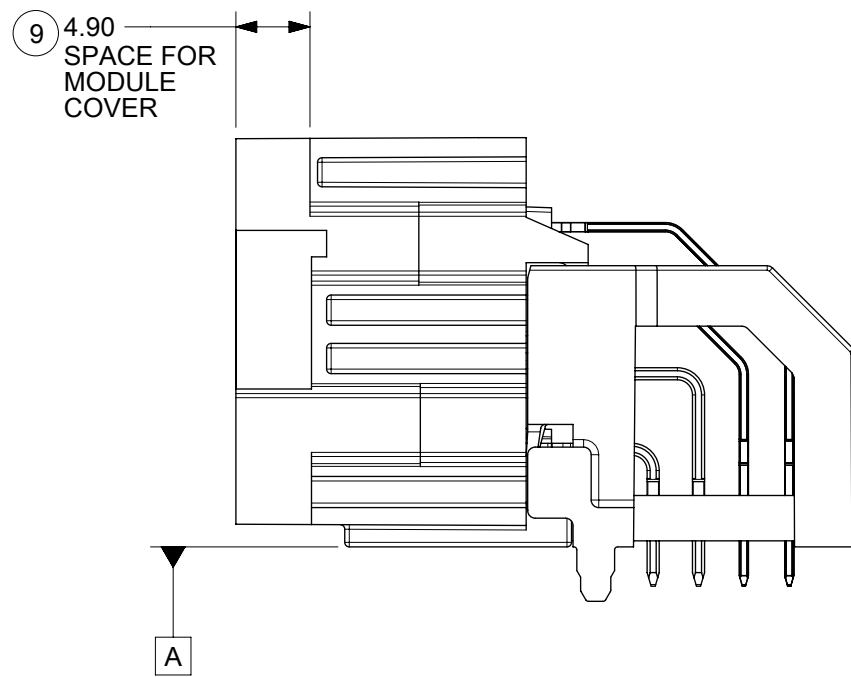
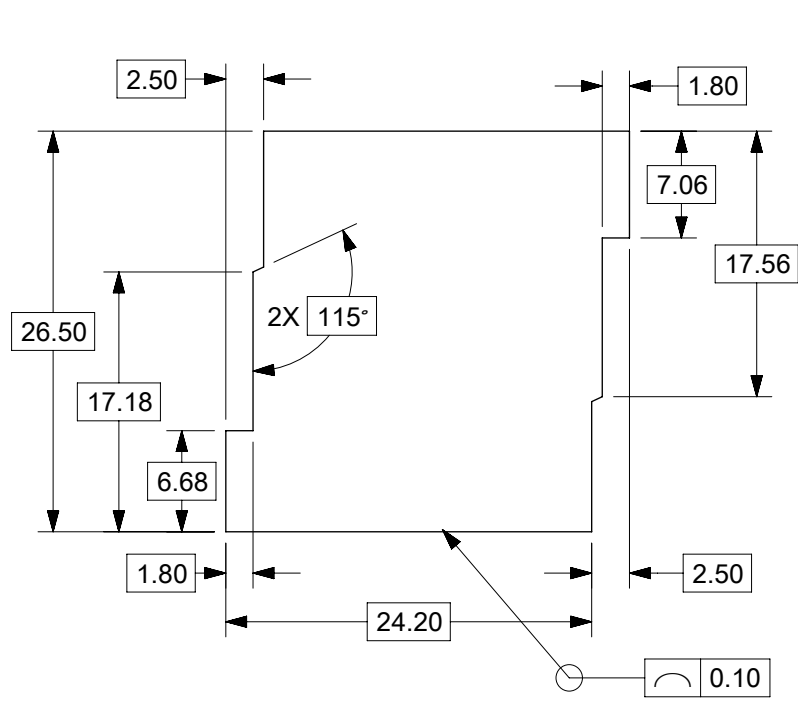
FOUR (4) KEYS AVAILABLE  
SEE INTERFACE DRAWING  
SD-160026-002 FOR DEFINITION

- 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 IP20 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. 1.2MM BLADES  
BASE MATERIAL: COPPER ALLOY  
CONDUCTIVITY ≥ 28% IACS @ 20°C  
UNDERPLATE: OVERALL NICKEL  
OVERPLATE: OVERALL TIN
      2. 2.8MM BLADES  
BASE MATERIAL: COPPER ALLOY  
CONDUCTIVITY ≥ 40% 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 2005020120
    - 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-160026-002
    - h. MATING HARNESS CONNECTORS MOLEX PN:
      - 1600260001 (KEY 1)
      - 1600260002 (KEY 2)
      - 1600260003 (KEY 3)
      - 1600260004 (KEY 4)
  4. DESIGN - MANUFACTURING:
    - a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B)
    - b. REFLOW SOLDERABILITY PER SMES-152



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: ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE								
mm	2:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)										
ANGULAR TOL	± °	EC NO: 630264		2020/02/17		STAK50H MOD HDR 12 RA SOLDER SINGLE BAY				
4 PLACES	± 0.0	DRWN: YPENG47		2020/04/03		PRODUCT CUSTOMER DRAWING				
3 PLACES	± 0.0	CHK'D: JRUTTER		2020/05/11		DOCUMENT NUMBER				
2 PLACES	± 0.13	APPR: JCONDON		2020/05/11		2005021120SD		PSD	000	C2
1 PLACE	± 0.25	INITIAL REVISION:		2015/06/24		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
0 PLACES	± 0.0	DRWN: JRUTTER		2016/08/22		SEE CHART				1 OF 2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
			B-SIZE	200502	SEE CHART				1 OF 2	

RECOMMENDED MODULE OPENING



DETAIL A  
SCALE 8:1

POST HOLE FIT	DIM C
PRESS FIT	2.40 $\pm$ 0.08
DROP IN	2.90 MIN

C2	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 10-JAN-2020 YPENG47 ECN:630264
REVISION	DESCRIPTION

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: ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE							
mm	1:1	<b>molex</b> STAK50H MOD HDR 12 RA SOLDER SINGLE BAY PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: 2005021120SD DOC TYPE: PSD DOC PART: 000 REVISION: C2 SHEET NUMBER: 2 OF 2							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	$\pm$ °								
4 PLACES	$\pm$ 0.0								
3 PLACES	$\pm$ 0.0								
2 PLACES	$\pm$ 0.13								
1 PLACE	$\pm$ 0.25	EC NO: 630264	2020/02/17						
0 PLACES	$\pm$ 0.0	DRWN: YPENG47	2020/04/03						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: JCONDON	2020/05/11						
THIRD ANGLE PROJECTION		INITIAL REVISION:							
DRAWING		DRWN: JRUTTER	2015/06/24						
SERIES		APPR: RBAUMAN	2016/08/22						
MATERIAL NUMBER		SEE CHART							
CUSTOMER									