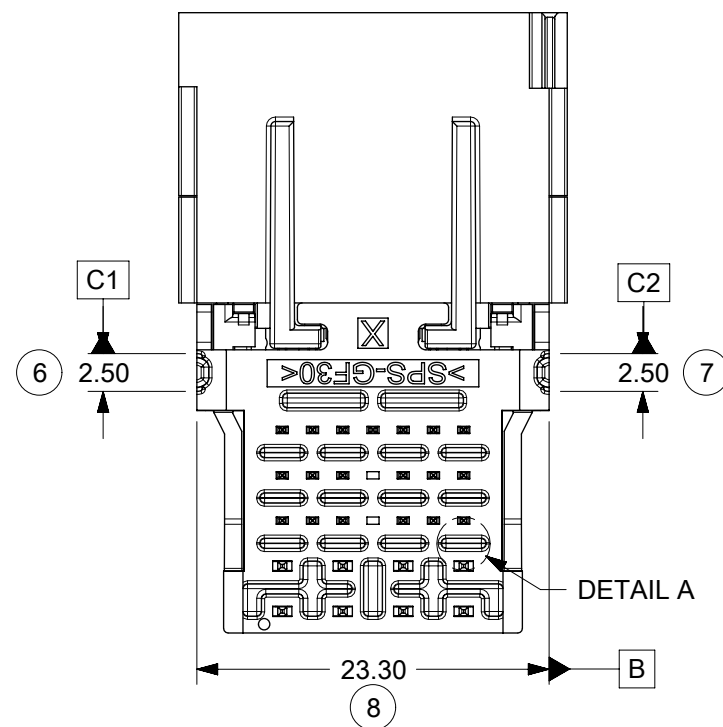
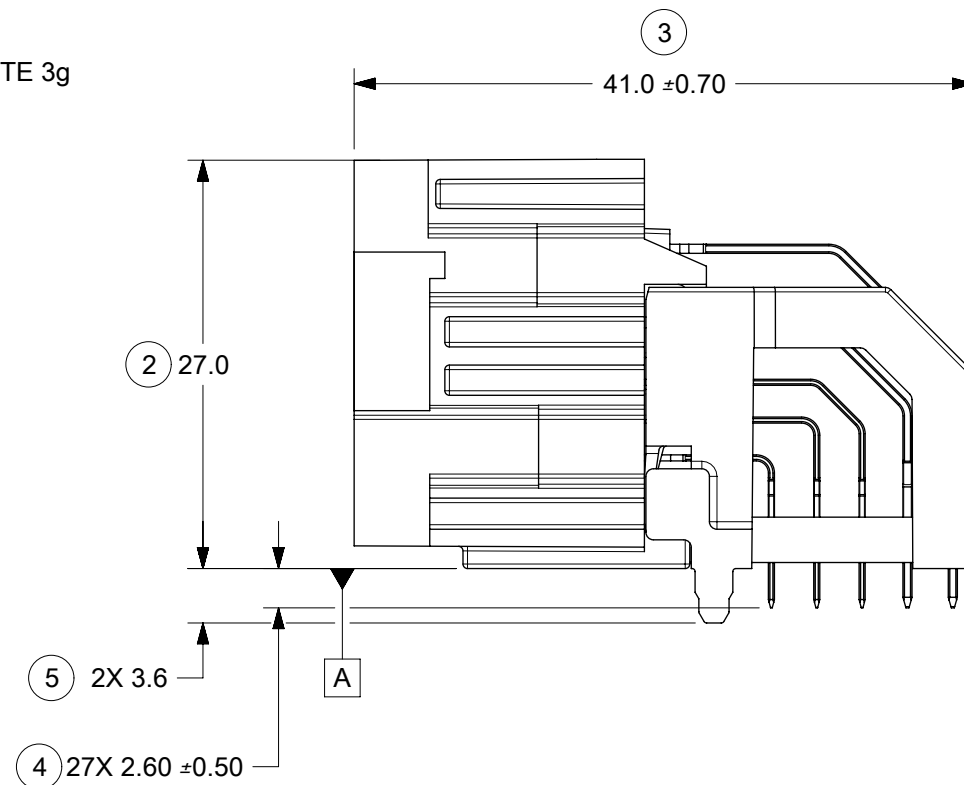


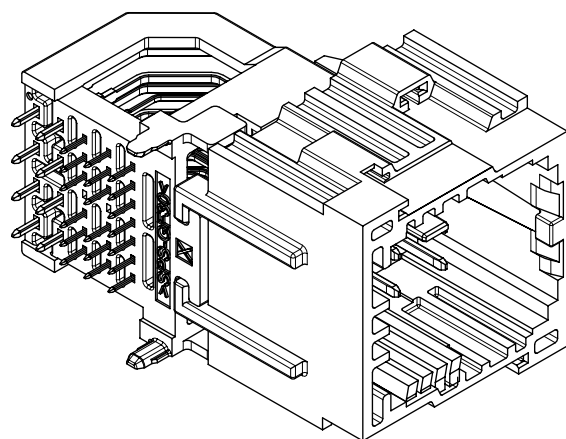
KEY 1  
PART NO. 2005020271



DETAIL A

PART NUMBER	KEY	COLOR	TERMINAL QUANTITIES	
			0.5mm	1.2mm
2005020271	1	BLACK	19	8
2005020272	2	GREEN		
2005020273	3	BLUE		
2005020274	4	PURPLE		

FOUR (4) KEYS AVAILABLE  
SEE INTERFACE DRAWING  
SD-160029-002 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:

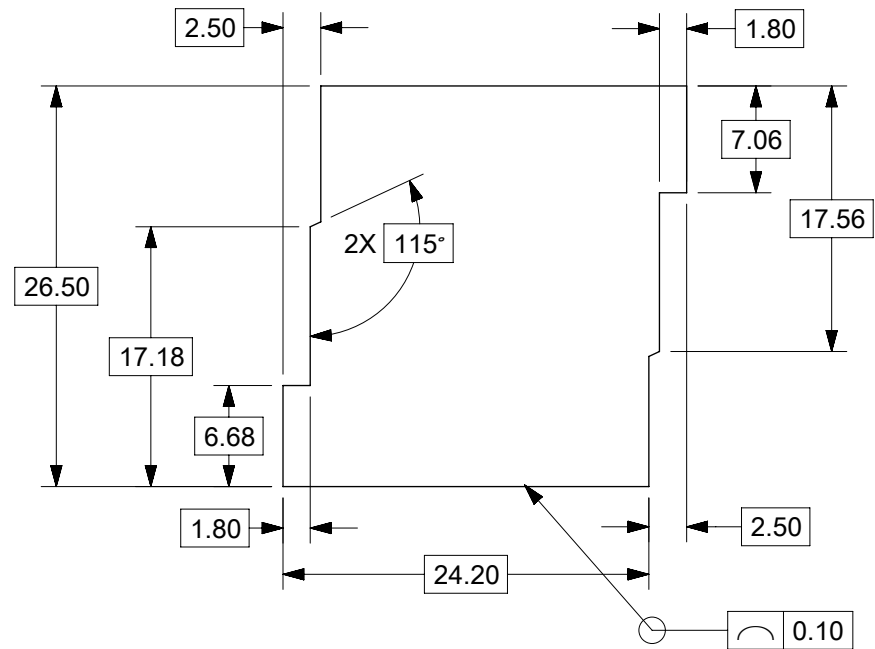
- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
- b. PRODUCT DESIGN MODEL NUMBER 2005020270
- c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009
- d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- e. CORNERS SHOWN AS SHARP TO BE R 0.4 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-160029-002
- h. MATING HARNESS CONNECTORS MOLEX PN:  
1600290001 (KEY 1)  
1600290002 (KEY 2)  
1600290003 (KEY 3)  
1600290004 (KEY 4)

4. DESIGN - MANUFACTURING:

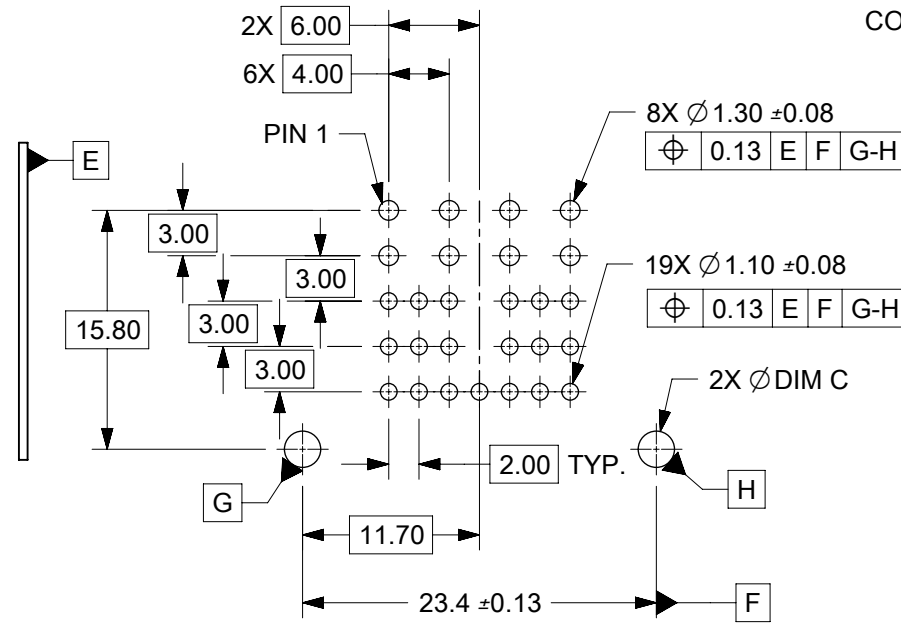
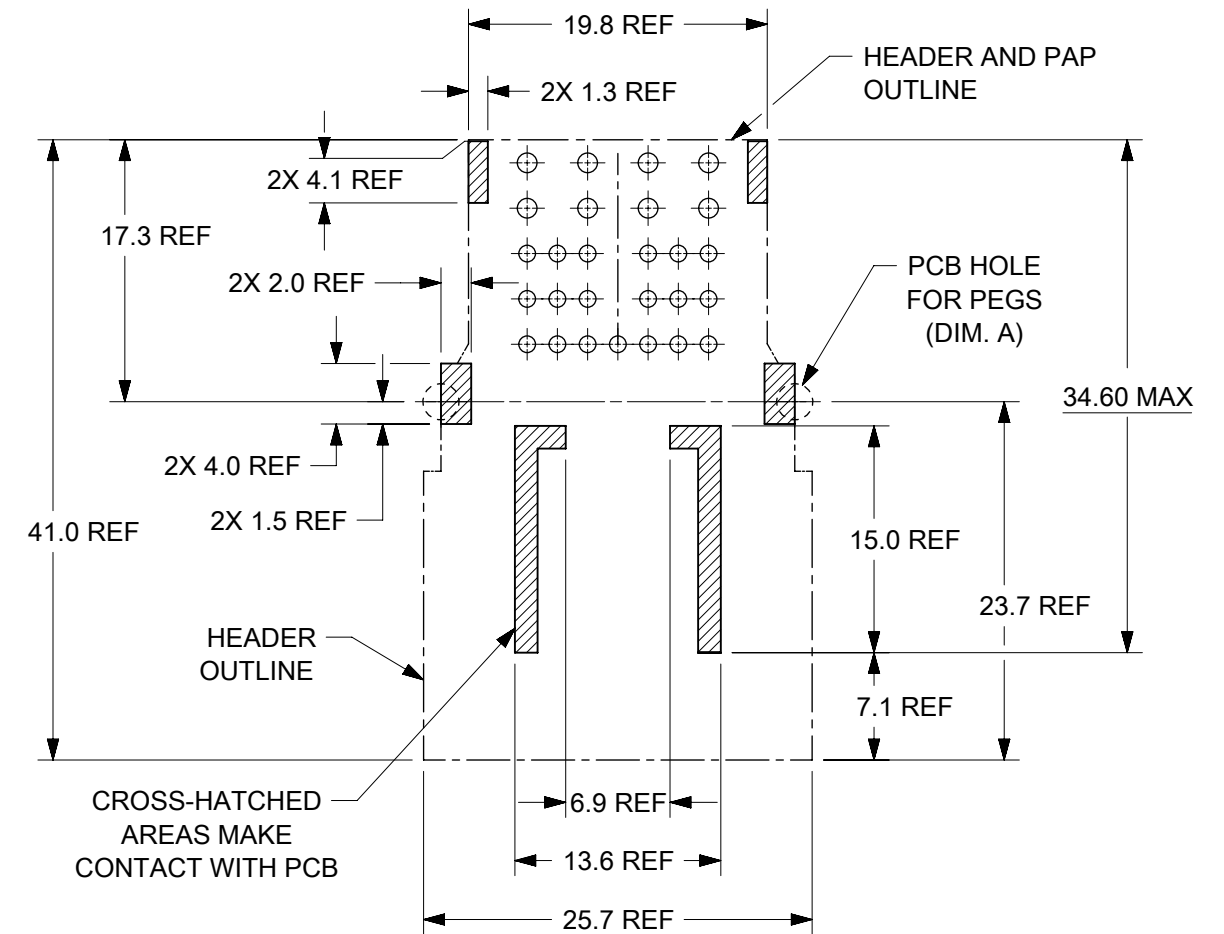
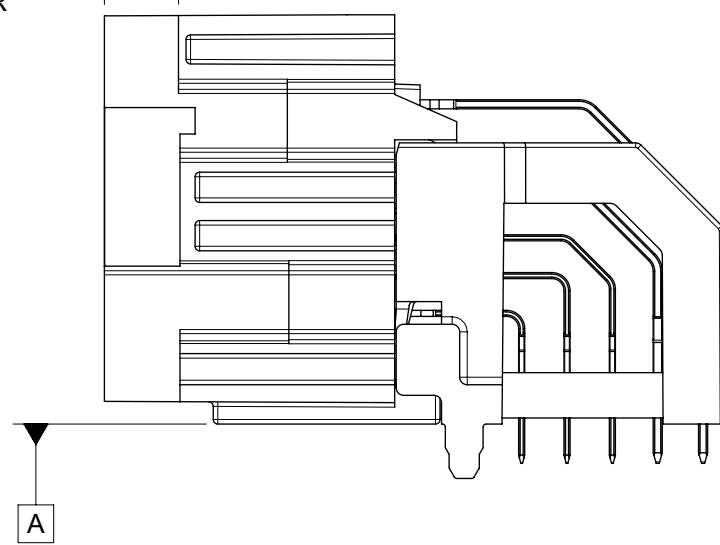
- a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B)
- b. REFLOW SOLDERABILITY PER SMES-152

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	<p>STAK50H MOD HDR 27 RA SINGLE BAY ASM</p> <p>PRODUCT CUSTOMER DRAWING</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± °								
4 PLACES	± 0.0								
3 PLACES	± 0.0								
2 PLACES	± 0.13								
1 PLACE	± 0.25	EC NO: 630264	2020/02/17	DOCUMENT NUMBER: 2005021270SD DOC TYPE: PSD DOC PART: 000 REVISION: C2					
0 PLACES	± 0.0	DRWN: YPENG47	2020/04/03						
INITIAL REVISION:		CHK'D: JRUTTER	2020/05/11						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: JCONDON	2015/06/26	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
THIRD ANGLE PROJECTION		DRWING	SERIES	SEE CHART				1 OF 2	
B-SIZE		200502							

RECOMMENDED MODULE OPENING  
TO PASS ISO 20653 IP40

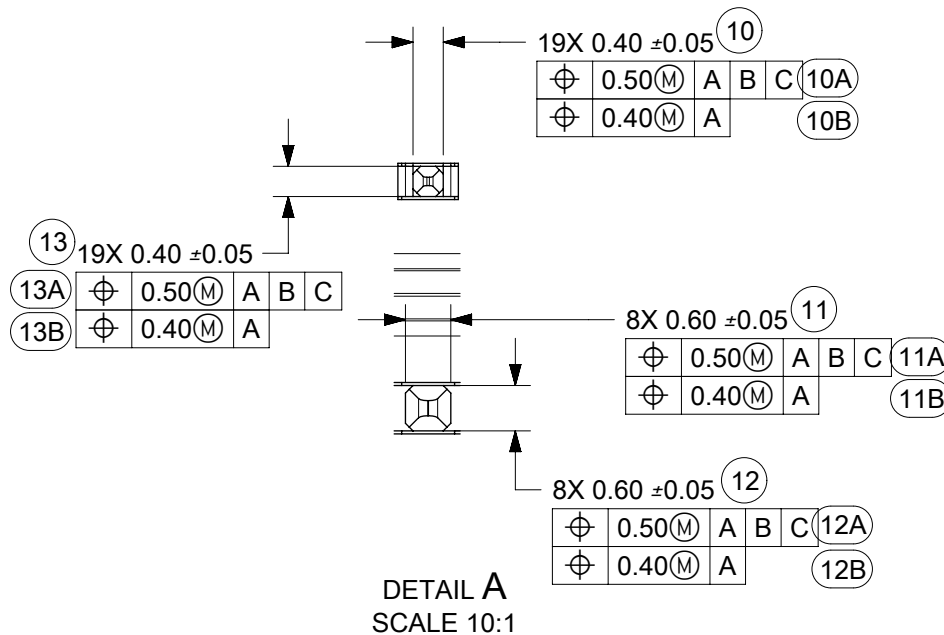


9 4.90  
SPACE FOR  
MODULE  
COVER



PCB LAYOUT  
FOR REFERENCE

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



C2	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 20-Feb-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 27 RA SINGLE BAY ASM PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: 2005021270SD DOC TYPE: PSD DOC PART: 000 REVISION: C2 MATERIAL NUMBER: SEE CHART CUSTOMER: SEE CHART 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	INITIAL REVISION: DRWN: JRUTTER 2015/06/26 APPR: RBAUMAN 2016/08/22					
0 PLACES	$\pm$ 0.0	DRWN: YPENG47 2020/04/03	2020/04/03						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING						
		SERIES	200502						