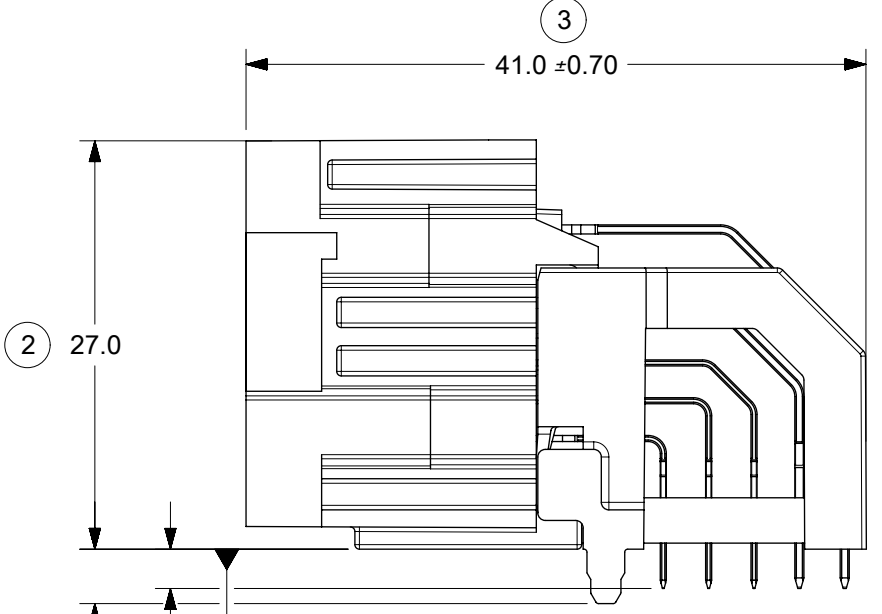


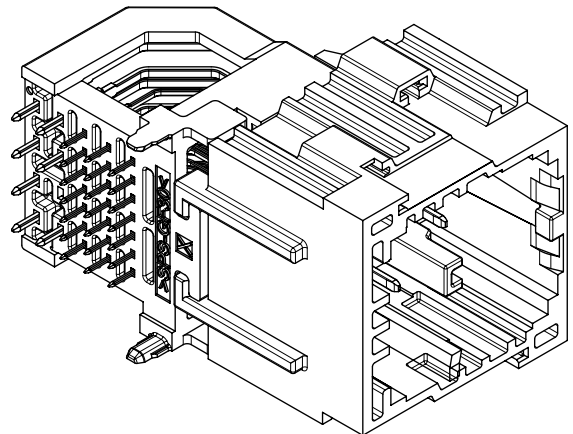
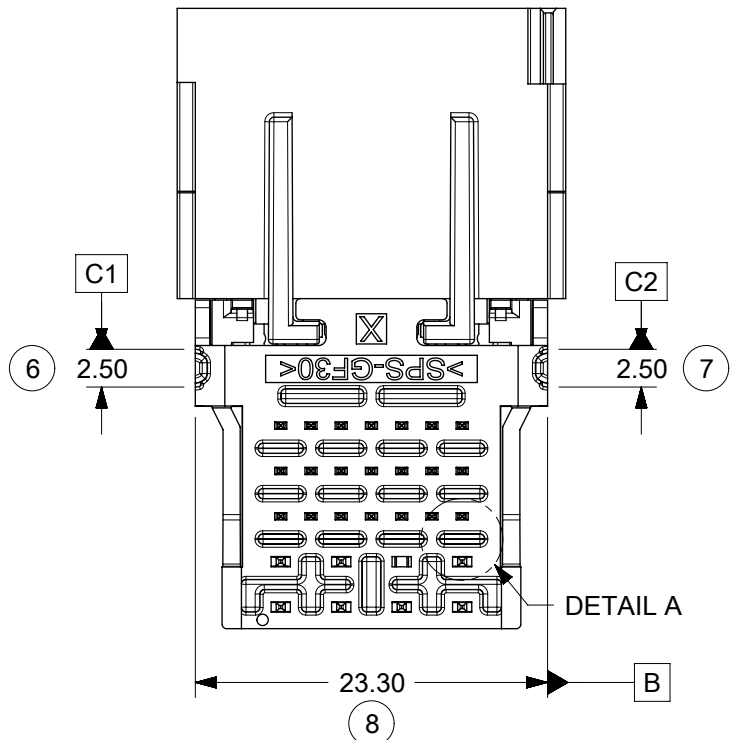
KEY 1  
PART NO. 2005020281



- 5 2X 3.60
- 4 28X 2.60 ± 0.50

PART NUMBER	KEY	COLOR	TERMINAL QUANTITIES	
			0.5mm	1.2mm
2005020281	1	DARK GRAY	21	7
2005020282	2	GREEN		
2005020283	3	GRAY		
2005020284	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

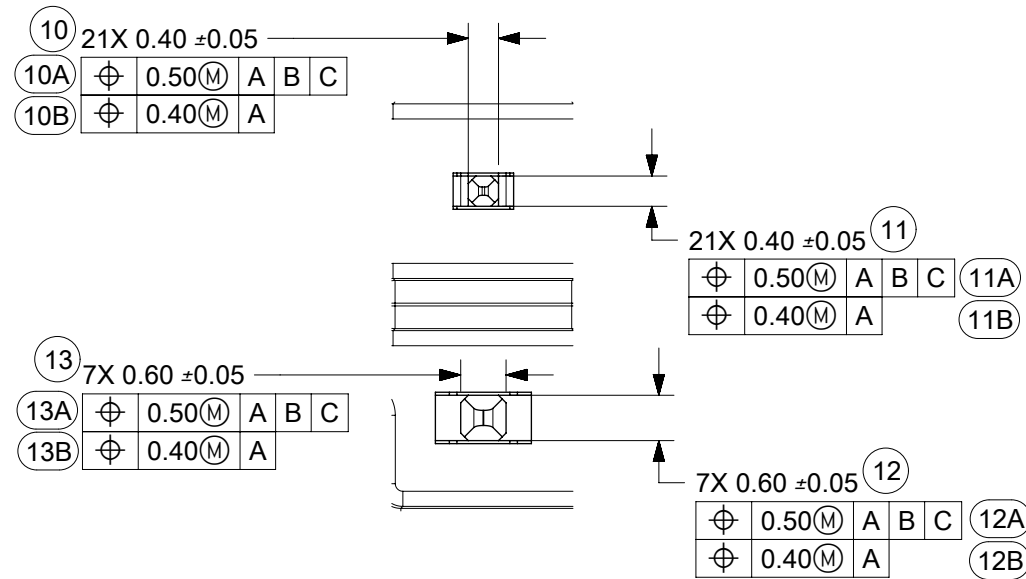
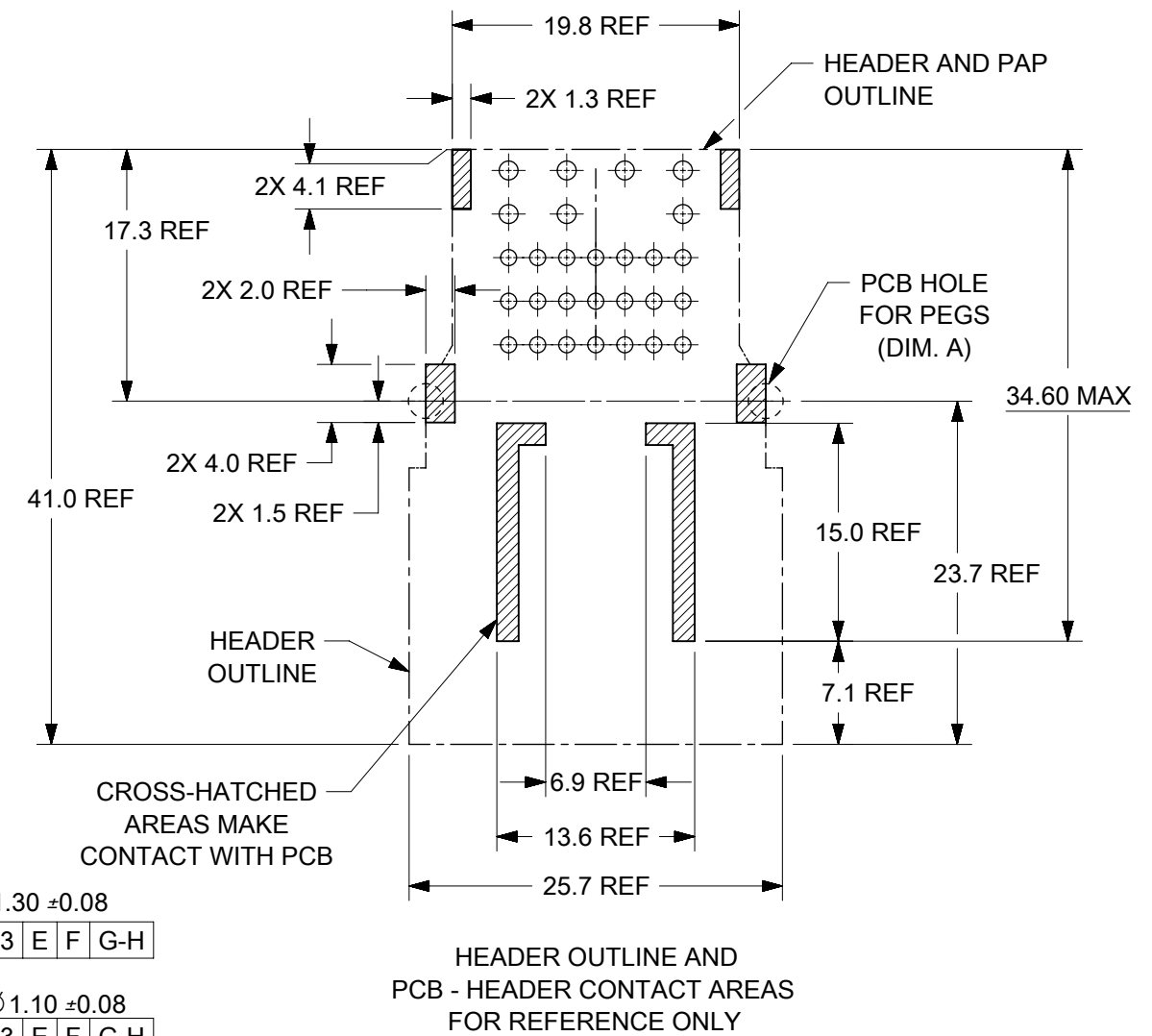
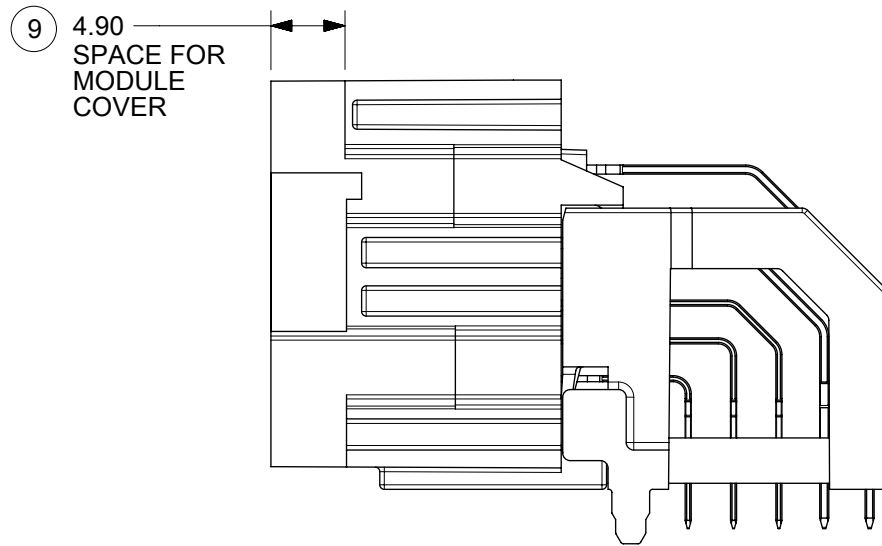
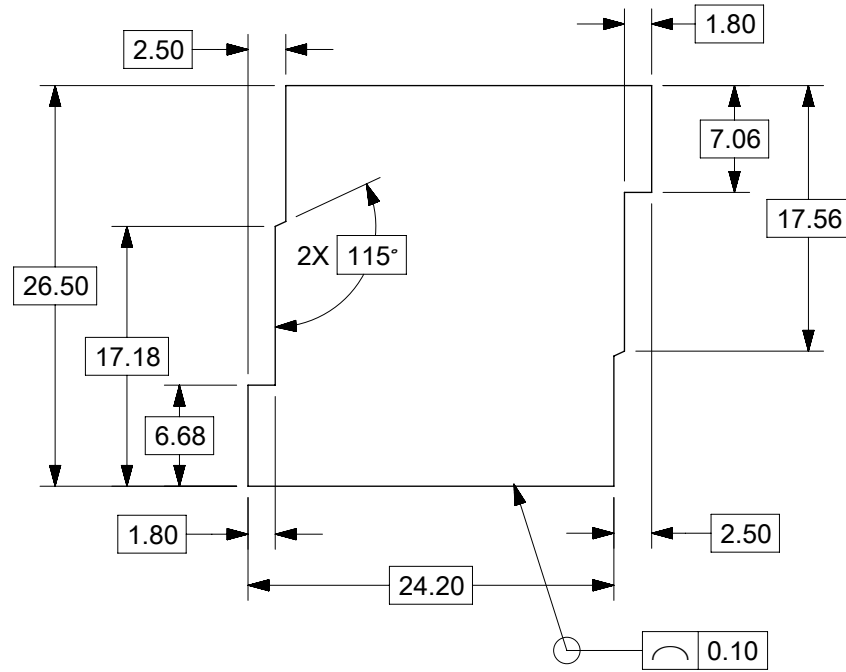
2. DESIGN - MATERIALS:
  - a. HOUSING: SPS 30% GF
  - b. BLADE TERMINALS:
    1. 0.5MM BLADES  
BASE MATERIAL: COPPER ALLOY  
CONDUCTIVITY ≥ 28% IACS @ 20°C  
UNDERPLATE: OVERALL NICKEL  
OVERPLATE: OVERALL TIN
    2. 1.2MM BLADES  
BASE MATERIAL: COPPER ALLOY  
CONDUCTIVITY ≥ 28% IACS @ 20°C  
UNDERPLATE: 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 2005020280
  - 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)

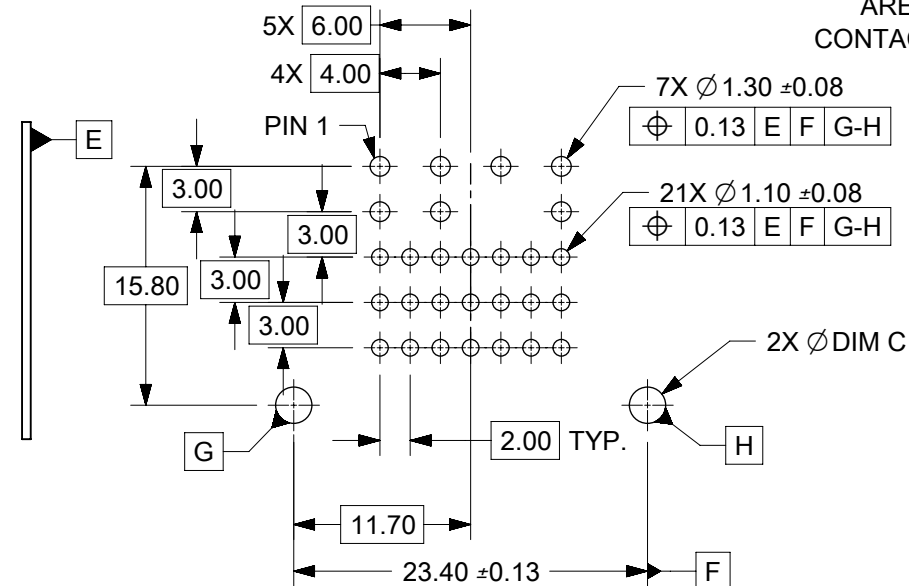
4. DESIGN - MANUFACTURING:
  - a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B)
  - b. REFLOW SOLDERABILITY PER SMES-152

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS <b>mm</b>		SCALE <b>2:1</b>		CURRENT REV DESC: ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE				<b>molex</b>		STAK50H MOD HDR 28 RA SINGLE BAY ASM	
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL ± °		EC NO: 635042		DRWN: YPENG47 2019/12/23				PRODUCT CUSTOMER DRAWING		DOCUMENT NUMBER <b>2005021280SD</b>	
4 PLACES ± 0.0		DRWN: JRUTTER 2020/04/03		CHK'D: JRUTTER 2020/04/03							
3 PLACES ± 0.0		APPR: JRUTTER 2020/04/07		INITIAL REVISION:				DOC TYPE PSD		DOC PART 000	
2 PLACES ± 0.13		DRWN: JRUTTER 2015/05/27		DRWN: JRUTTER 2016/08/22				REVISION C2		REVISION	
1 PLACE ± 0.25		APPR: RBAUMAN 2016/08/22		MATERIAL NUMBER SEE CHART				CUSTOMER		SHEET NUMBER 1 OF 2	
0 PLACES ± 0.0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING B-SIZE		SERIES 200502			

RECOMMENDED MODULE OPENING  
TO PASS ISO 20653 IP40



DETAIL A  
SCALE 10:1



PCB LAYOUT  
FOR REFERENCE

POST HOLE FIT	DIM C
PRESS FIT	2.40±0.08
DROP IN	2.90 MIN

REVISION	DESCRIPTION
C2	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 02-APRIL-2020 YPENG47 ECN:635042

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	EC NO: 635042			
GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: YPENG47	2019/12/23		
ANGULAR TOL	± °	CHK'D: JRUTTER	2020/04/03		
4 PLACES	± 0.0	APPR: JRUTTER	2020/04/07		
3 PLACES	± 0.0	INITIAL REVISION:			
2 PLACES	± 0.13	DRWN: JRUTTER	2015/05/27		
1 PLACE	± 0.25	APPR: RBAUMAN	2016/08/22		
0 PLACES	± 0.0				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			B-SIZE	200502	SEE CHART
		CUSTOMER		DOCUMENT NUMBER	DOC TYPE   DOC PART   REVISION
				2005021280SD	PSD   000   C2
				SHEET NUMBER	
				2 OF 2	

STAK50H MOD HDR 28 RA SINGLE BAY ASM

PRODUCT CUSTOMER DRAWING