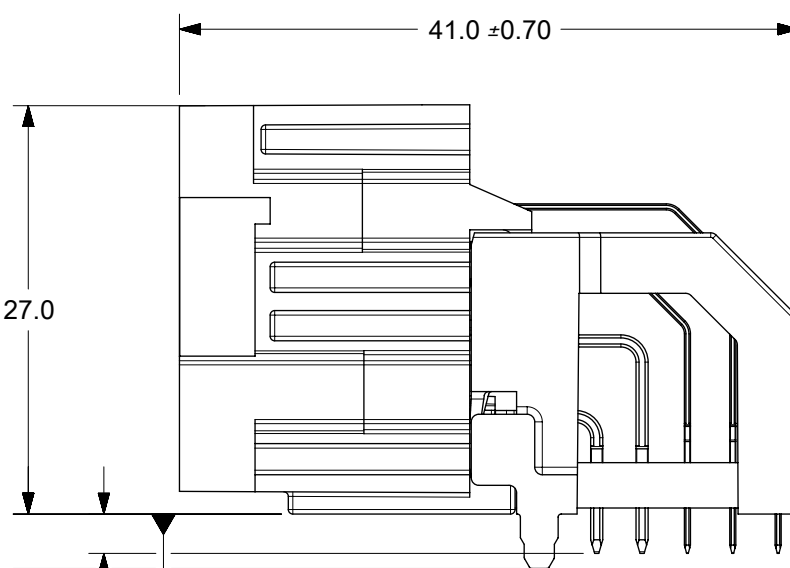


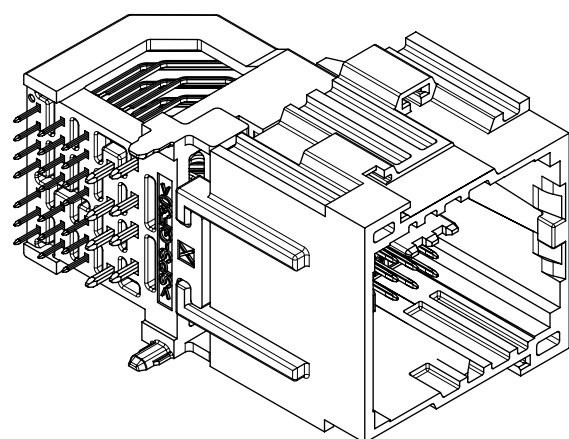
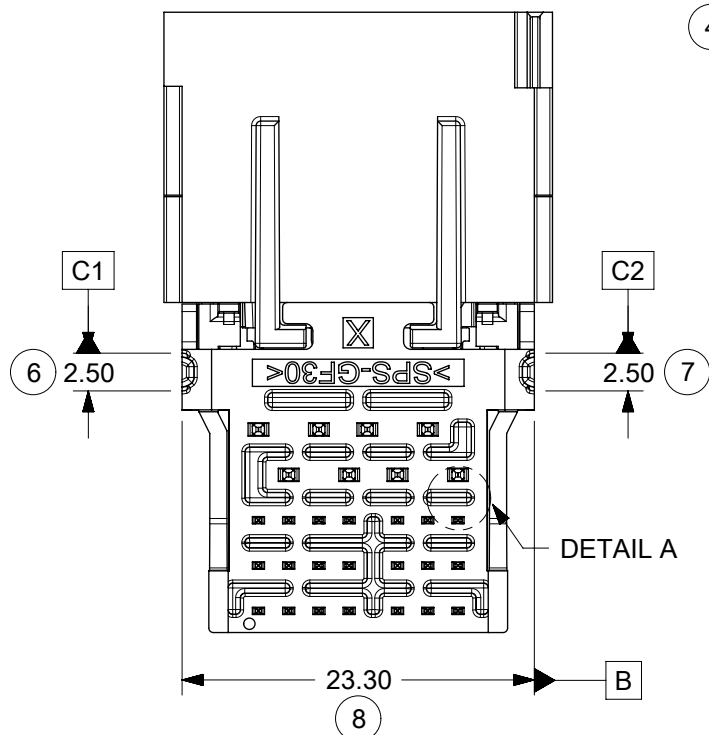
KEY 1  
PART NO. 2005020251



⑤ 2X 3.6  
④ 29X 2.60 ±0.50

PART NUMBER	KEY	COLOR	TERMINAL QUANTITIES	
			0.5mm	2.8mm
2005020251	1	GREEN	21	4
2005020252	2	GRAY		
2005020253	3	BLACK		
2005020254	4	DARK GRAY		

FOUR (4) KEYS AVAILABLE  
SEE INTERFACE DRAWING  
SD-160027-002 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. 0.5MM 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

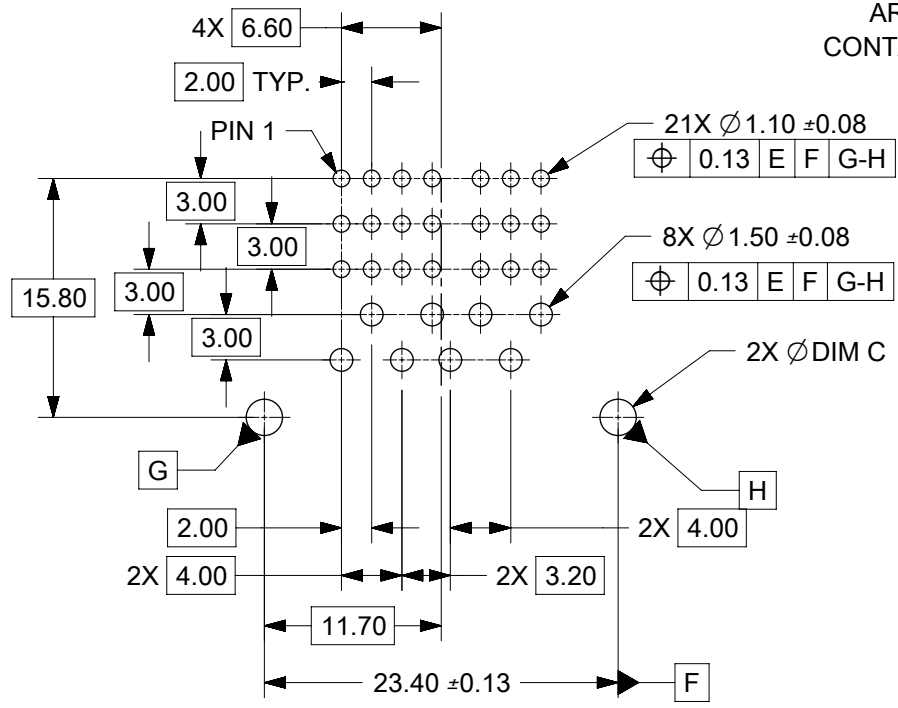
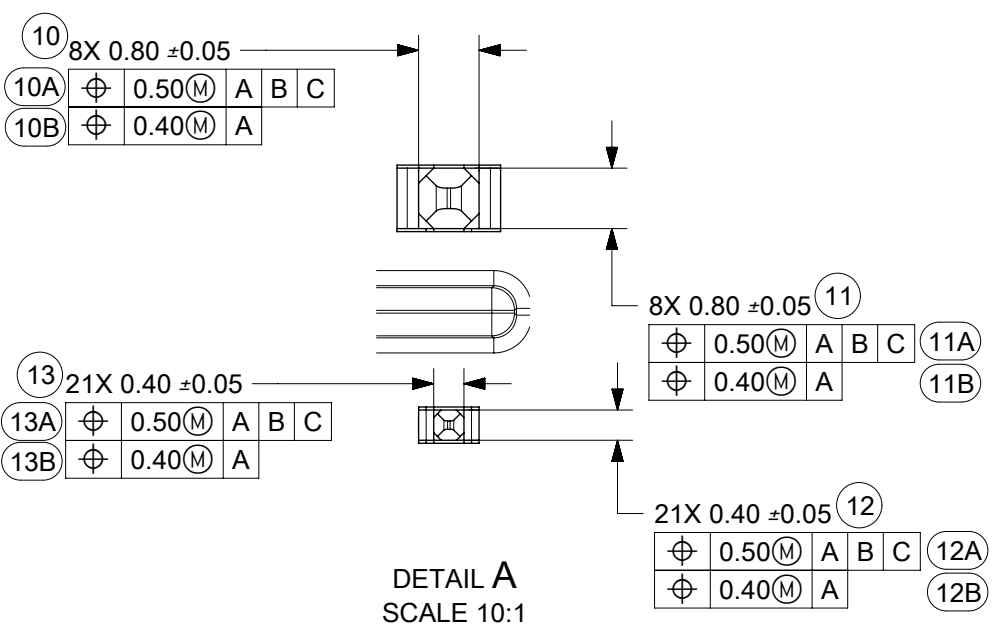
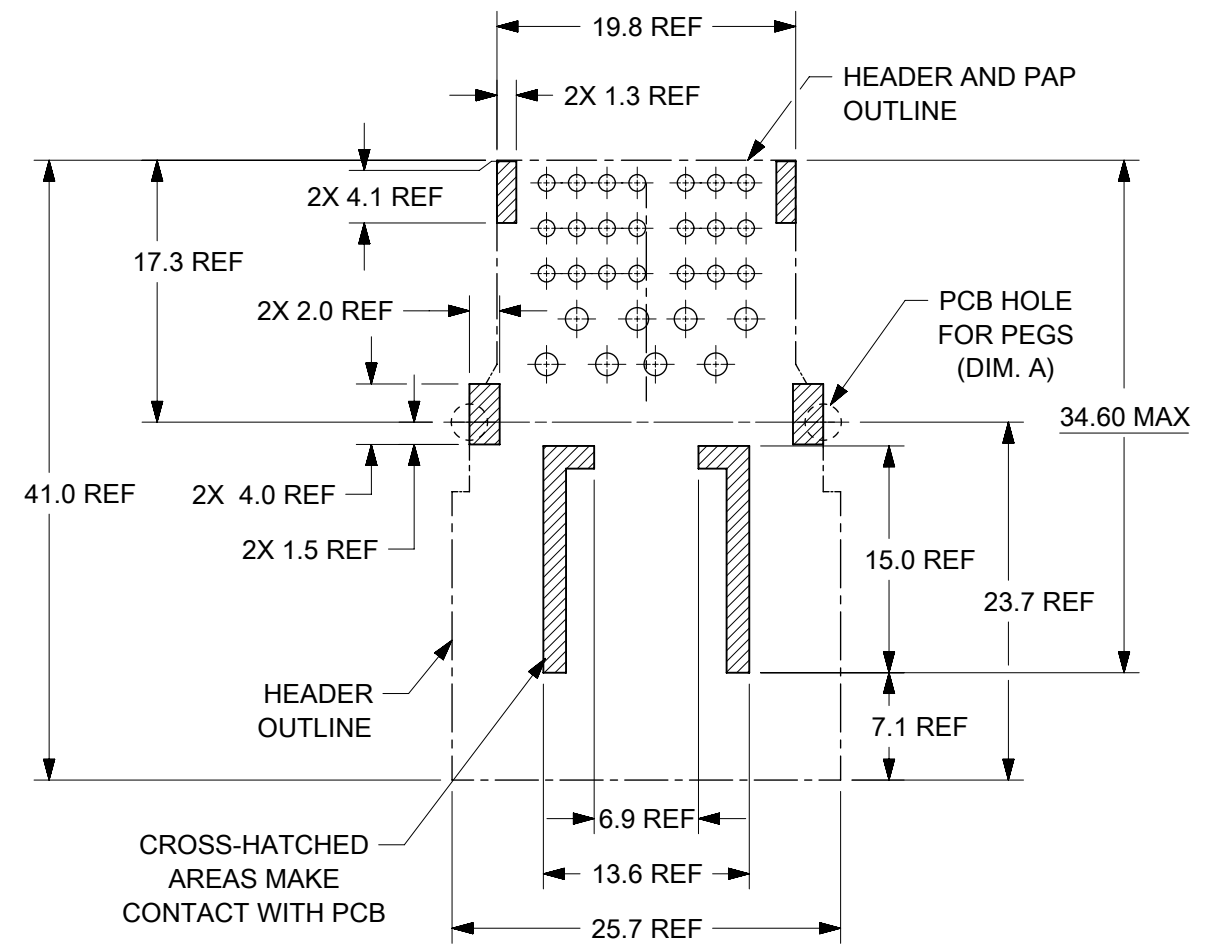
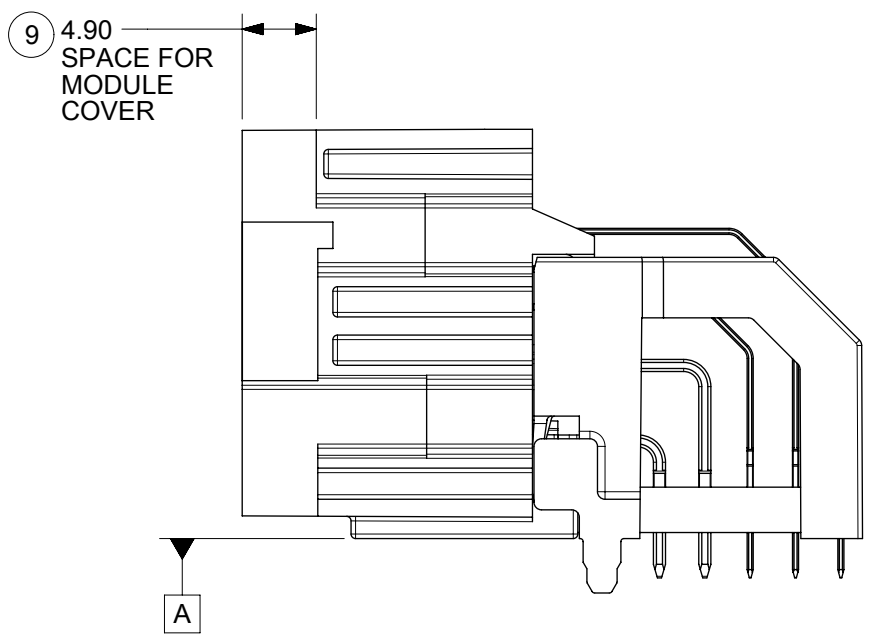
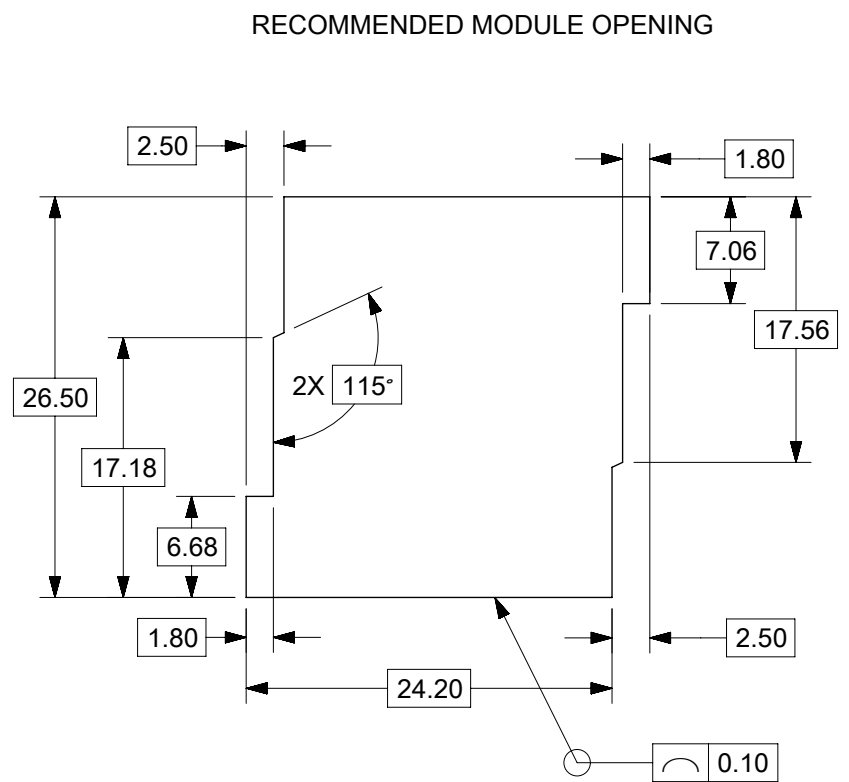
3. DESIGN - GEOMETRY:

- 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 2005020250
- 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-160027-002
- h. MATING HARNESS CONNECTORS MOLEX PN:
  - 1600270001 (KEY 1)
  - 1600270002 (KEY 2)
  - 1600270003 (KEY 3)
  - 1600270004 (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: 635042 DRWN: JRUTTER 2019/12/11 CHK'D: JRUTTER 2020/04/03 APPR: JRUTTER 2020/04/07							
4 PLACES	± 0.0	PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: 2005021250SD DOC TYPE: PSD DOC PART: 000 REVISION: C2							
3 PLACES	± 0.0								
2 PLACES	± 0.13	MATERIAL NUMBER: SEE CHART CUSTOMER:							
1 PLACE	± 0.25								
0 PLACES	± 0.0	SHEET NUMBER: 1 OF 2							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER			CUSTOMER	
			B-SIZE	200502	SEE CHART				



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

C2	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 02-APRIL-2020 YPENG47 ECN:635042
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		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
ANGULAR TOL	±	°	
4 PLACES	±	0.0	
3 PLACES	±	0.0	
2 PLACES	±	0.13	
1 PLACE	±	0.25	
0 PLACES	±	0.0	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
	B-SIZE	200502	SEE CHART
EC NO: 635042		DRWN: JRUTTER	2019/12/11
DRWN: JRUTTER		CHK'D: JRUTTER	2020/04/03
APPR: JRUTTER		2020/04/07	
INITIAL REVISION:		DRWN: JRUTTER	2015/06/25
		APPR: RBAUMAN	2016/08/22
DOCUMENT NUMBER		DOC TYPE	DOC PART
2005021250SD		PSD	000
CUSTOMER		REVISION	
SEE CHART			C2
SHEET NUMBER		2 OF 2	