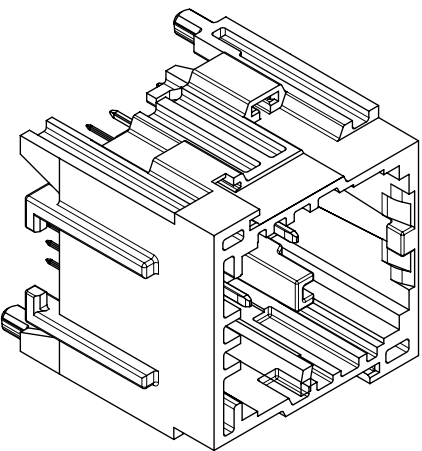










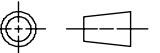





PART NUMBER	KEY	COLOR	TERMINAL QUANTITIES	
			0.5mm	1.2mm
2005010281	1	DARK GRAY	21	7
2005010282	2	GREEN		
2005010283	3	GRAY		
2005010284	4	BLACK		

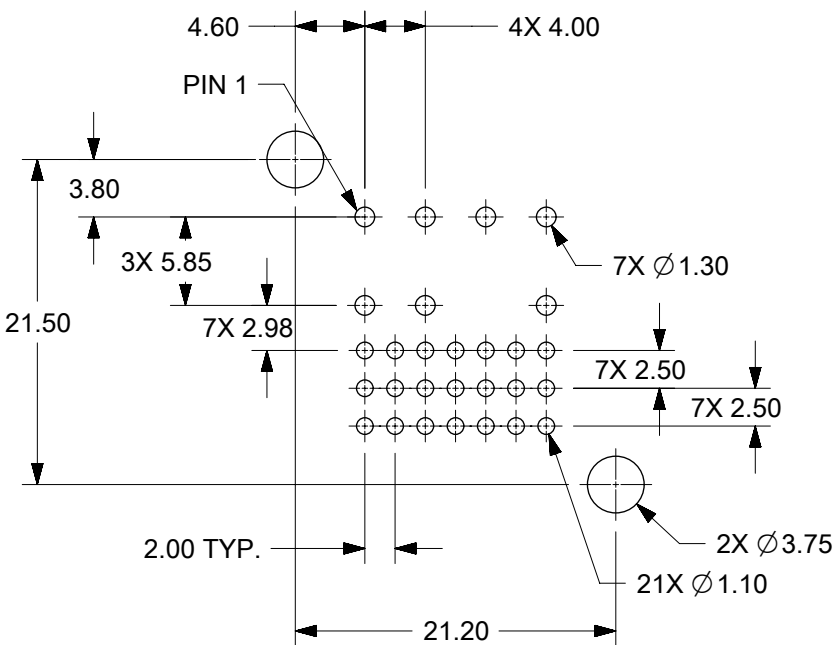
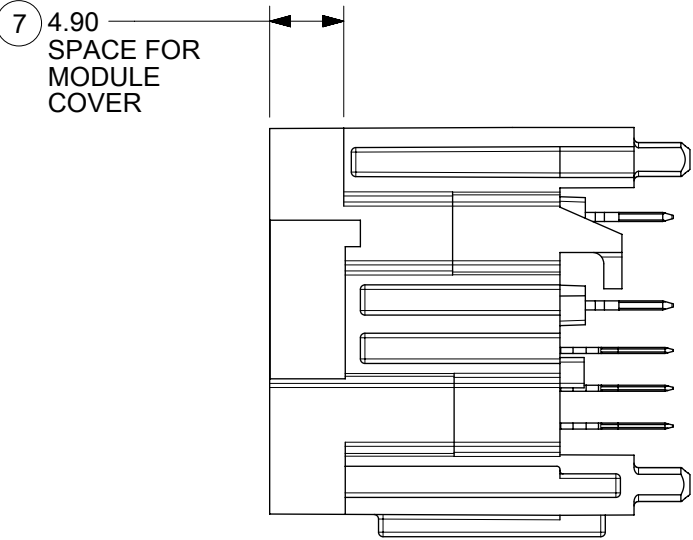
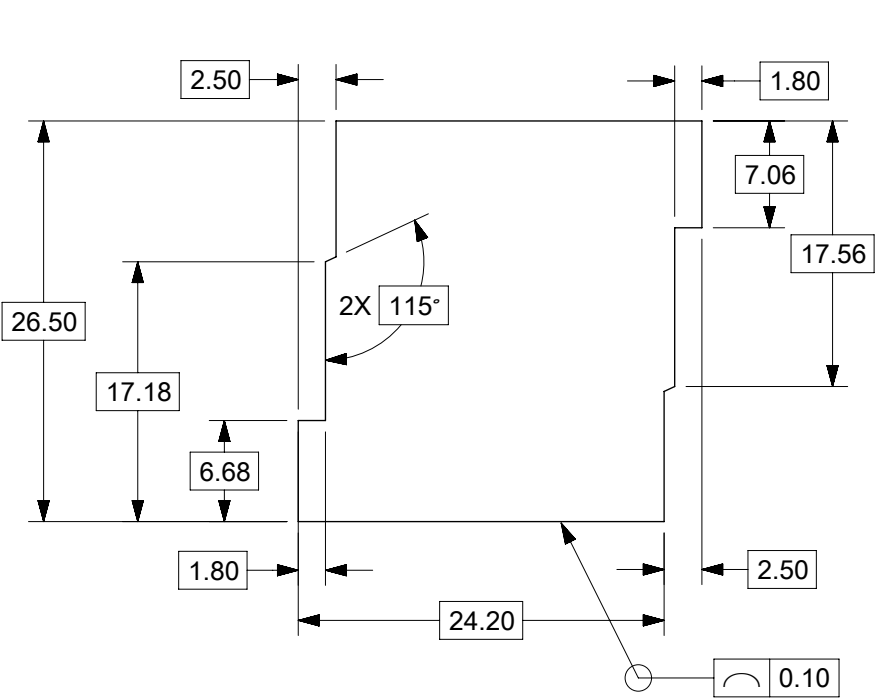
FOUR (4) KEYS AVAILABLE
SEE INTERFACE DRAWING
SD-160014-002 FOR DEFINITION



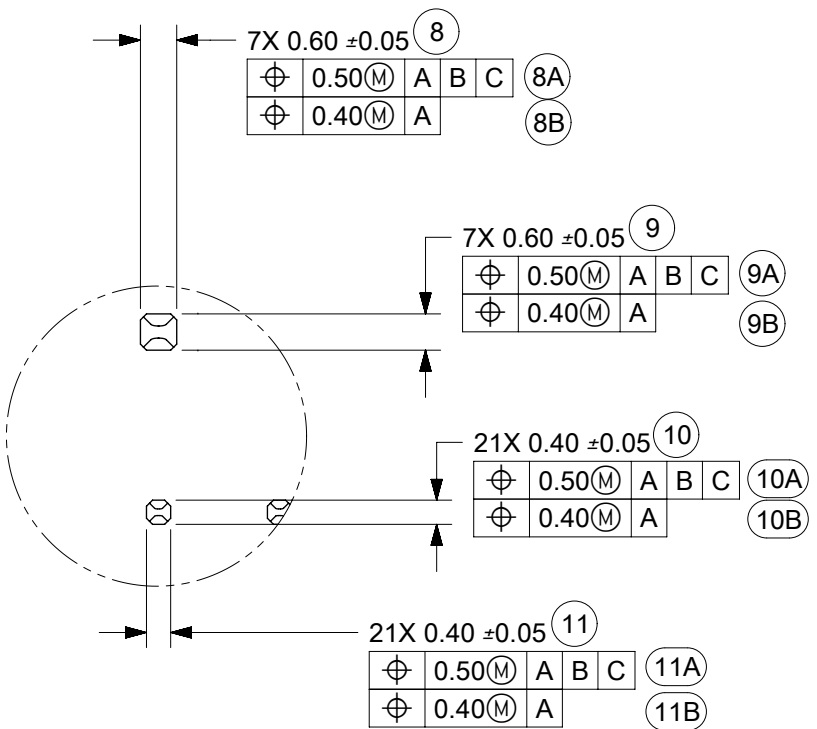
- NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:
- a. APPLICATION SPECIFICATION 2005060000-AS
 - b. PRODUCT SPECIFICATION 200506001-PS
CLASSIFICATIONS T1V1S1 TO GMW 3191 2012
DEGREE OF PROTECTION IP40 TO ISO 20653 WITH MOLEX MATING CONNECTOR
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING
2. DESIGN - MATERIALS:
- a. HOUSING: SPS 30% GF
 - b. BLADE TERMINALS:
 - 1. 0.5MM BLADES
BASE MATERIAL: COPPER ALLOY
CONDUCTIVITY $\geq 28\%$ IACS @ 20°C
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN
 - 2. 1.2MM BLADES
BASE MATERIAL: COPPER ALLOY
CONDUCTIVITY $\geq 28\%$ 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 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:
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

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
 = 0	INTERFACE, PCB TOL	EC NO: 602205 DRWN: JRUTTER CHK'D: JCONDON APPR: JCONDON	2018/07/27 2018/08/01 2018/08/01	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		<div></div> <div>STAK50H MOD HDR 28 VERTICAL SINGLE ASM</div>							
 = 0						mm		2:1									
 = 0						DRWN BY		DATE									
 = 0				ANGULAR TOL ± 0.5 °		JRUTTER		2015/05/21									
 = 0				4 PLACES ± 0.0		CHK'D BY		DATE									
 = 0				3 PLACES ± 0.0		APPR BY		DATE		PRODUCT CUSTOMER DRAWING							
 = 0				2 PLACES ± 0.13		RBAUMAN		2016/08/22									
 = 0				1 PLACE ± 0.25		DRAWING SIZE		THIRD ANGLE PROJECTION									
 = 0				C	REV		0 PLACES ± 0.0		B		SERIES		MATERIAL NUMBER		CUSTOMER		
 = 0							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				200501		SEE CHART				
 = 0								DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER			
 = 0								2005011280SD		PSD		000		1 OF 2			

RECOMMENDED MODULE OPENING
TO PASS ISO 20653 IP40



PCB LAYOUT
FOR REFERENCE



DETAIL A
SCALE 8:1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
QUALITY SYMBOLS		INTERFACE, PCB TOL EC NO: 602205 DRWN: JRUTTER CHK'D: JCONDON APPR: JCONDON C REV				GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® STAK50H MOD HDR 28 VERTICAL SINGLE ASM				
= 0						ANGULAR TOL ± 0.5 °		mm		1:1						
= 0								DRWN BY		DATE						
= 0								JRUTTER		2015/05/21						
= 0								CHK'D BY		DATE						
= 0						4 PLACES ± 0.0		APPR BY		DATE		PRODUCT CUSTOMER DRAWING				
= 0						3 PLACES ± 0.0										
= 0						2 PLACES ± 0.13										
= 0		1 PLACE ± 0.25														
= 0		0 PLACES ± 0.0		RBAUMAN		2016/08/22		SERIES		MATERIAL NUMBER		CUSTOMER				
= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		200501		SEE CHART						
= 0				B				DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER		
= 0								2005011280SD		PSD		000		2 OF 2		
= 0																