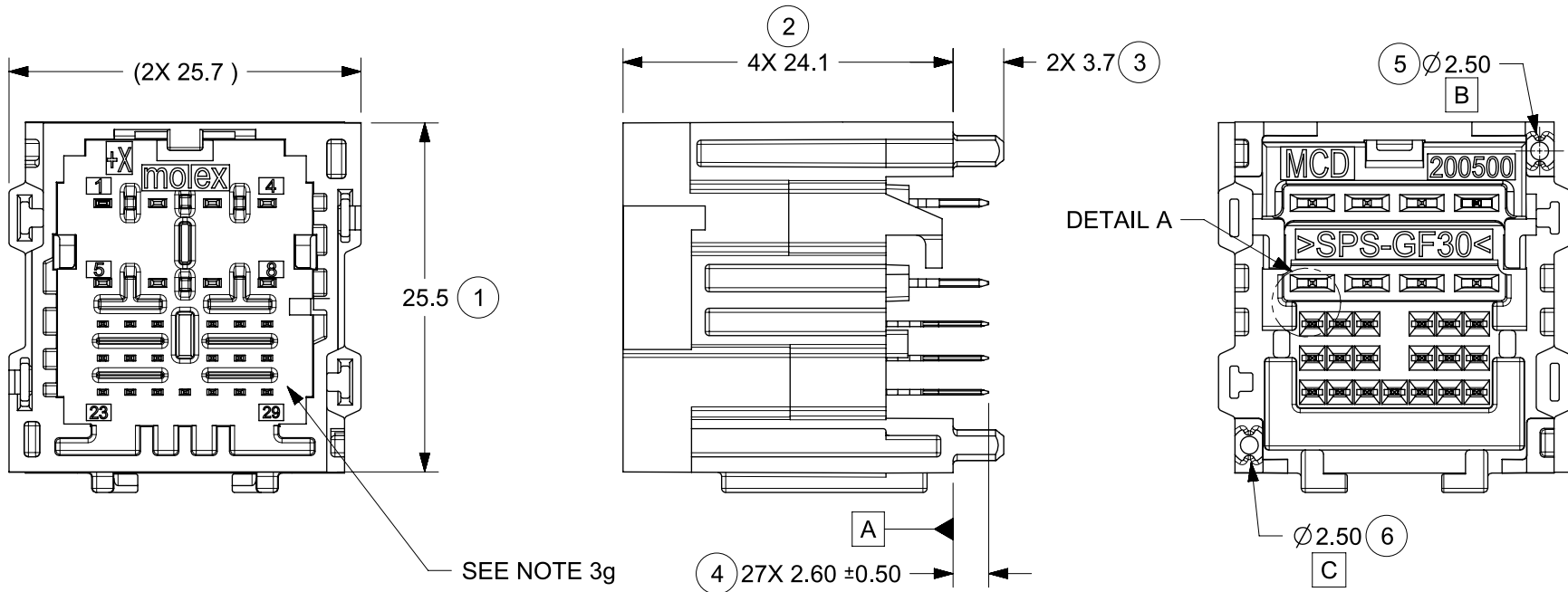




KEY 1
PART NO. 2005010271

SEE NOTE 3g

PART NUMBER TUBE PACKAGING 2005058100	PART NUMBER TRAY PACKAGING 2005053013-PK	KEY	COLOR	TERMINAL QUANTITIES	
				0.5mm	1.2mm
2005010271	2005011271	1	BLACK	19	8
2005010272	2005011272	2	GREEN		
2005010273	2005011273	3	BLUE		
2005010274	2005011274	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
 - c. CLASSIFICATIONS T2V1S1 TO GMW 3191 2012
 - d. DEGREE OF PROTECTION IP40 TO ISO 20653 WITH MOLEX MATING CONNECTOR
 - e. PACKAGING SPECIFICATION PER MOLEX DRAWING

2. DESIGN - MATERIALS:

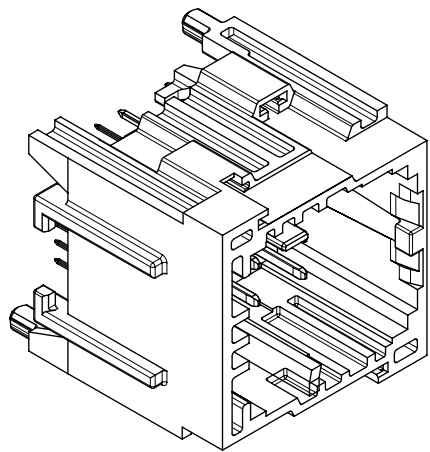
- a. HOUSING: SPS 30% GF
- b. BLADE TERMINALS:
- 1. 0.5MM BLADES
BASE MATERIAL: COPPER ALLOY
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN
 - 2. 1.2MM BLADES
BASE MATERIAL: COPPER ALLOY
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN

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 2005010270
- 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:
1600290011 (KEY 1)
1600290012 (KEY 2)
1600290013 (KEY 3)
1600290014 (KEY 4)

4. DESIGN - MANUFACTURING:

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



INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: D1
LAST BALLOON NUMBER: 11B
ADDED BALLOON NUMBER: NONE
DELETED BALLOON NUMBER: NONE

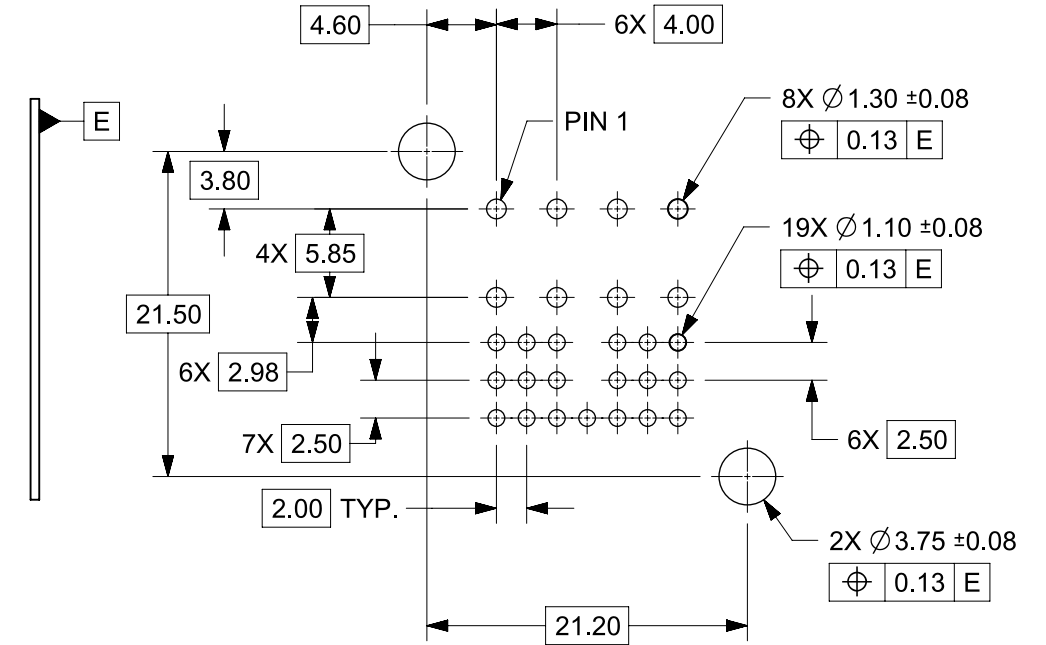
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
FUNCTIONAL SYMBOLS <div>$\frac{F}{\nabla} = 0$</div> <div>$\frac{E}{\nabla} = 0$</div> <div>$\frac{P}{\nabla} = 0$</div> DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE			<div>molex</div> STAK50H MOD HDR 27 VERT SOLDER						
		GENERAL TOLERANCES (UNLESS SPECIFIED)													
		ANGULAR TOL ± °													
		4 PLACES		±											
		3 PLACES		±					PRODUCT CUSTOMER DRAWING						
		2 PLACES		± 0.130											
		1 PLACE		± 0.25											
		0 PLACES		±											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
				B-SIZE		200501		SEE TABLE				1 OF 2			

Technical drawing of a rectangular plate with the following dimensions and features:

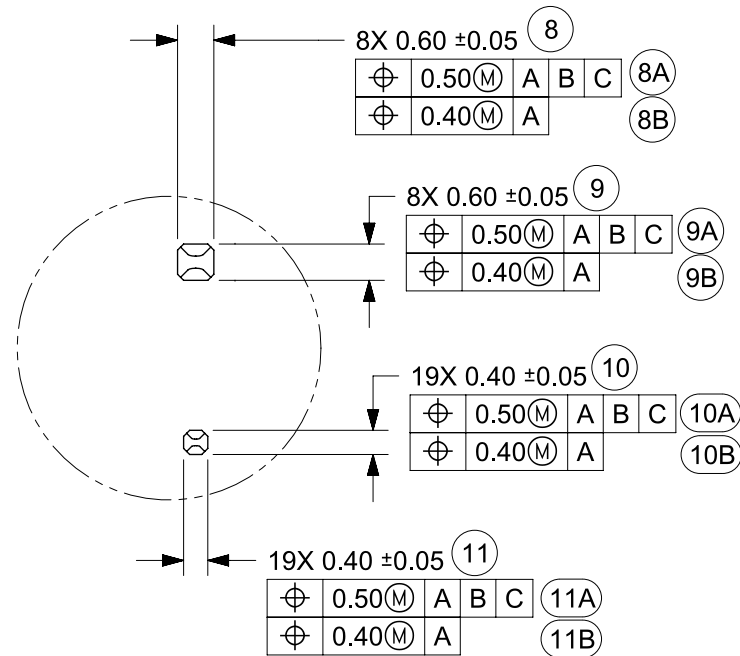
- Overall width: 24.20
- Overall height: 26.50
- Left side chamfers: 2X 115°
- Right side chamfers: 2X 115°
- Top left corner chamfer: 2.50
- Top right corner chamfer: 1.80
- Bottom left corner chamfer: 1.80
- Bottom right corner chamfer: 2.50
- Internal vertical dimension (left side): 17.18
- Internal vertical dimension (right side): 17.56
- Internal horizontal dimension (top): 7.06
- Internal horizontal dimension (bottom): 6.68
- Surface texture symbol: 0.10

Technical drawing of a multi-pin connector assembly. The drawing shows a side view of the assembly with various pins and a central cable. Dimensions are indicated by arrows and numbers:

- Overall width: 100
- Pin spacing (between pins 1 and 2): 10
- Pin spacing (between pins 2 and 3): 10
- Pin spacing (between pins 3 and 4): 10
- Pin spacing (between pins 4 and 5): 10
- Pin spacing (between pins 5 and 6): 10
- Pin spacing (between pins 6 and 7): 10
- Pin spacing (between pins 7 and 8): 10
- Pin spacing (between pins 8 and 9): 10
- Pin spacing (between pins 9 and 10): 10
- Pin spacing (between pins 10 and 11): 10
- Pin spacing (between pins 11 and 12): 10
- Pin spacing (between pins 12 and 13): 10
- Pin spacing (between pins 13 and 14): 10
- Pin spacing (between pins 14 and 15): 10
- Pin spacing (between pins 15 and 16): 10
- Pin spacing (between pins 16 and 17): 10
- Pin spacing (between pins 17 and 18): 10
- Pin spacing (between pins 18 and 19): 10
- Pin spacing (between pins 19 and 20): 10
- Pin spacing (between pins 20 and 21): 10
- Pin spacing (between pins 21 and 22): 10
- Pin spacing (between pins 22 and 23): 10
- Pin spacing (between pins 23 and 24): 10
- Pin spacing (between pins 24 and 25): 10
- Pin spacing (between pins 25 and 26): 10
- Pin spacing (between pins 26 and 27): 10
- Pin spacing (between pins 27 and 28): 10
- Pin spacing (between pins 28 and 29): 10
- Pin spacing (between pins 29 and 30): 10
- Pin spacing (between pins 30 and 31): 10
- Pin spacing (between pins 31 and 32): 10
- Pin spacing (between pins 32 and 33): 10
- Pin spacing (between pins 33 and 34): 10
- Pin spacing (between pins 34 and 35): 10
- Pin spacing (between pins 35 and 36): 10
- Pin spacing (between pins 36 and 37): 10
- Pin spacing (between pins 37 and 38): 10
- Pin spacing (between pins 38 and 39): 10
- Pin spacing (between pins 39 and 40): 10
- Pin spacing (between pins 40 and 41): 10
- Pin spacing (between pins 41 and 42): 10
- Pin spacing (between pins 42 and 43): 10
- Pin spacing (between pins 43 and 44): 10
- Pin spacing (between pins 44 and 45): 10
- Pin spacing (between pins 45 and 46): 10
- Pin spacing (between pins 46 and 47): 10
- Pin spacing (between pins 47 and 48): 10
- Pin spacing (between pins 48 and 49): 10
- Pin spacing (between pins 49 and 50): 10
- Pin spacing (between pins 50 and 51): 10
- Pin spacing (between pins 51 and 52): 10
- Pin spacing (between pins 52 and 53): 10
- Pin spacing (between pins 53 and 54): 10
- Pin spacing (between pins 54 and 55): 10
- Pin spacing (between pins 55 and 56): 10
- Pin spacing (between pins 56 and 57): 10
- Pin spacing (between pins 57 and 58): 10
- Pin spacing (between pins 58 and 59): 10
- Pin spacing (between pins 59 and 60): 10
- Pin spacing (between pins 60 and 61): 10
- Pin spacing (between pins 61 and 62): 10
- Pin spacing (between pins 62 and 63): 10
- Pin spacing (between pins 63 and 64): 10
- Pin spacing (between pins 64 and 65): 10
- Pin spacing (between pins 65 and 66): 10
- Pin spacing (between pins 66 and 67): 10
- Pin spacing (between pins 67 and 68): 10
- Pin spacing (between pins 68 and 69): 10
- Pin spacing (between pins 69 and 70): 10
- Pin spacing (between pins 70 and 71): 10
- Pin spacing (between pins 71 and 72): 10
- Pin spacing (between pins 72 and 73): 10
- Pin spacing (between pins 73 and 74): 10
- Pin spacing (between pins 74 and 75): 10
- Pin spacing (between pins 75 and 76): 10
- Pin spacing (between pins 76 and 77): 10
- Pin spacing (between pins 77 and 78): 10
- Pin spacing (between pins 78 and 79): 10
- Pin spacing (between pins 79 and 80): 10
- Pin spacing (between pins 80 and 81): 10
- Pin spacing (between pins 81 and 82): 10
- Pin spacing (between pins 82 and 83): 10
- Pin spacing (between pins 83 and 84): 10
- Pin spacing (between pins 84 and 85): 10
- Pin spacing (between pins 85 and 86): 10
- Pin spacing (between pins 86 and 87): 10
- Pin spacing (between pins 87 and 88): 10
- Pin spacing (between pins 88 and 89): 10
- Pin spacing (between pins 89 and 90): 10
- Pin spacing (between pins 90 and 91): 10
- Pin spacing (between pins 91 and 92): 10
- Pin spacing (between pins 92 and 93): 10
- Pin spacing (between pins 93 and 94): 10
- Pin spacing (between pins 94 and 95): 10
- Pin spacing (between pins 95 and 96): 10
- Pin spacing (between pins 96 and 97): 10
- Pin spacing (between pins 97 and 98): 10
- Pin spacing (between pins 98 and 99): 10
- Pin spacing (between pins 99 and 100): 10



FOR SINGLE-BAY HEADER ONLY
FOR MULTIPLE-BAY STACKED HEADER SEE DRAWING 2005050000



D2	NOTES 1.B AND 2.B UPDATED
D1	TITLE BLOCK UPDATE
D	UPDATED THE PACKAGING DETAILS
C1	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 10-JUNE-2020 YPENG47 ECN:639277
REVISION	DESCRIPTION

FUNCTIONAL SYMBOLS <div><div>F_A</div>= 0</div> <div><div>F_C</div>= 0</div> <div><div>F_S</div>= 0</div> DIVISIONAL SYMBOLS	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: SEE REVISION TABLE					<div>molex</div> STAK50H MOD HDR 27 VERT SOLDER								
	MM		1:1															
	GENERAL TOLERANCES (UNLESS SPECIFIED)					<div>STATUS: Production</div> <div>DRWN: Yann Chen2025-03-05</div> <div>CHK'D: Nick Wang2025-03-07</div> <div>APPR: Ringo Hu2025-03-07</div>												
	ANGULAR TOL ± °																	
	4 PLACES		±															
	3 PLACES		±															
	2 PLACES		± 0.130															
	1 PLACE		± 0.25			PRODUCT CUSTOMER DRAWING												
	0 PLACES		±															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
							B-SIZE		200501		2005011270SD		PSD		000		D2	
											MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
											SEE TABLE						2 OF 2	