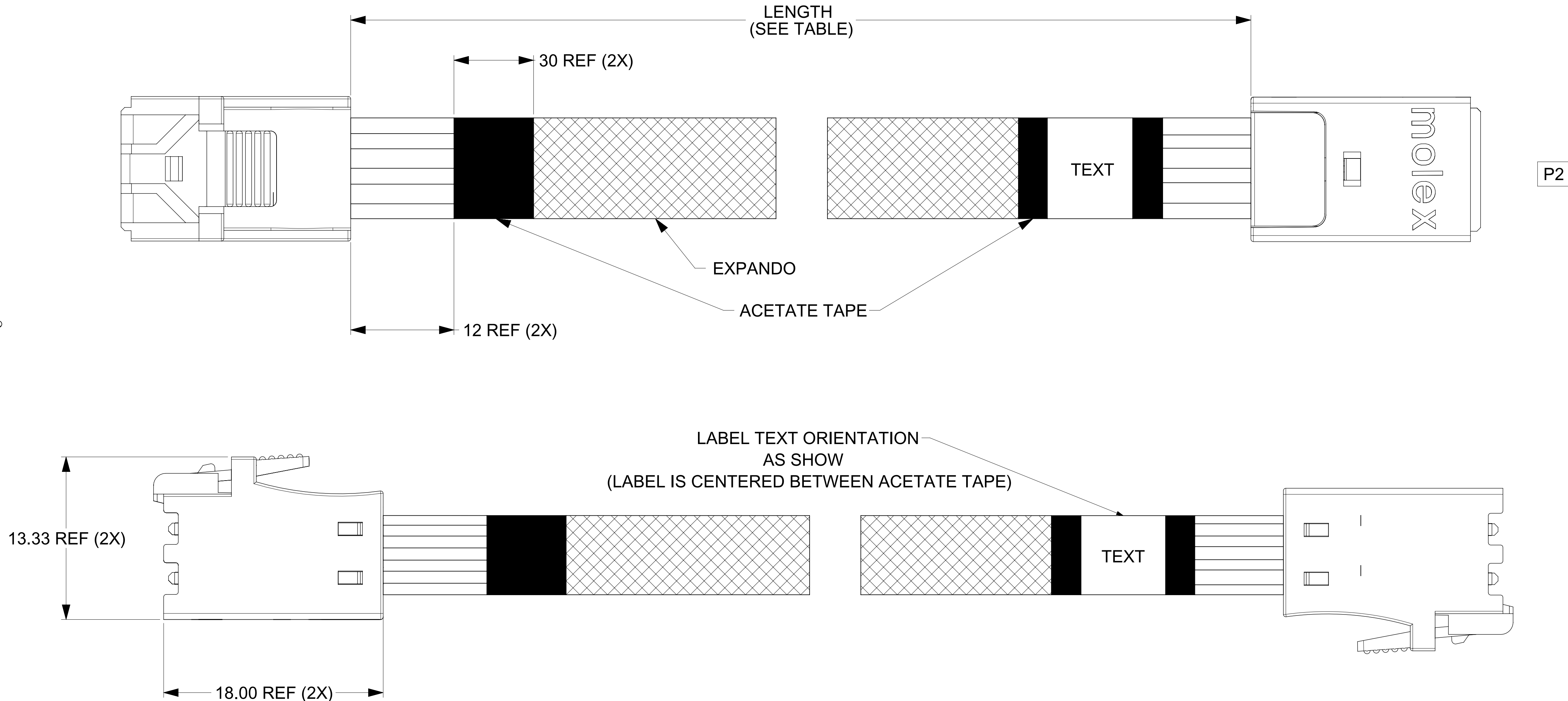
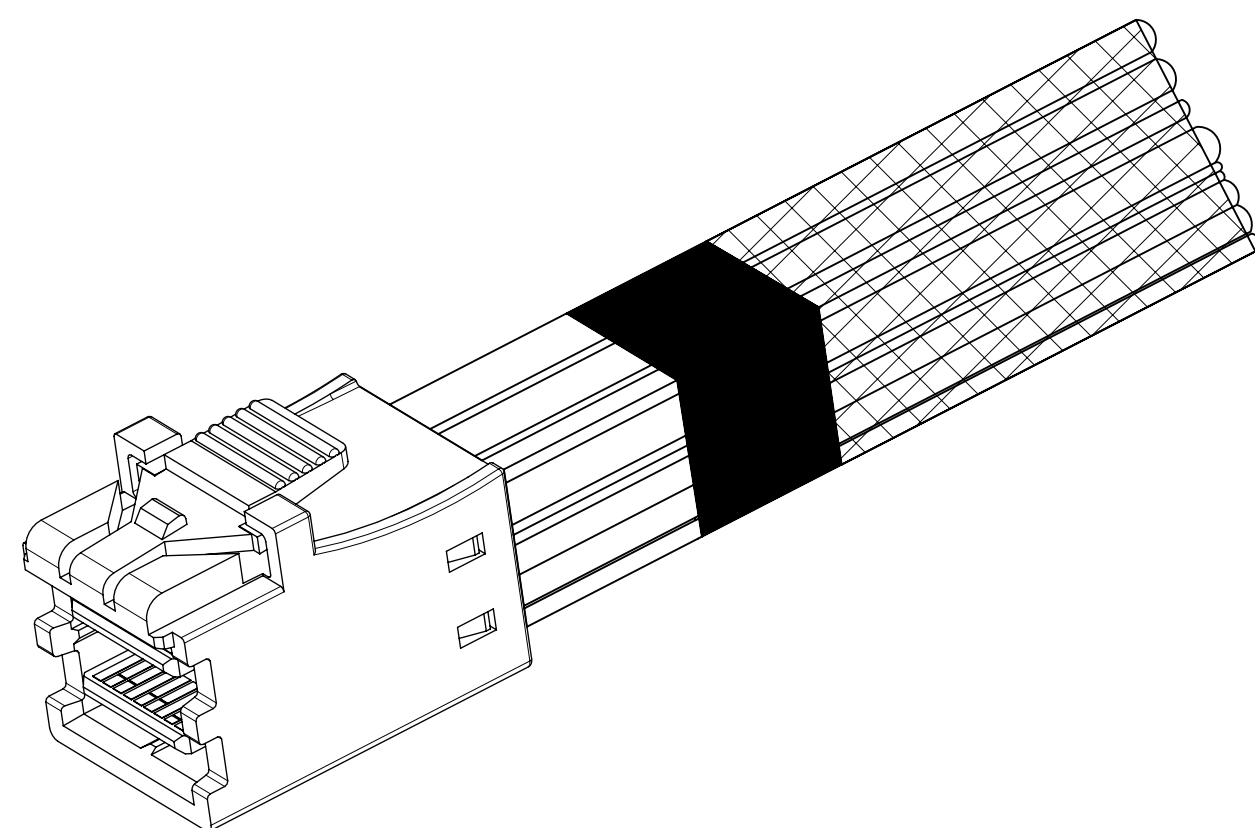




MOLEX P/N	AWG	IMPEDANCE	LENGTH (mm)	TOLERANCE (+-mm)	DESCRIPTION	PINOUT
1002210100	30	85 OHM	152	10	CTRL TO BP	1
1002210101	30	85 OHM	300	10	CTRL TO BP	1
1002210102	30	85 OHM	500	10	CTRL TO BP	1
1002210103	30	85 OHM	600	10	CTRL TO BP	1
1002210104	30	85 OHM	1000	15	CTRL TO BP	1
1002210200	30	85 OHM	152	10	CTRL TO CTRL	2
1002210201	30	85 OHM	300	10	CTRL TO CTRL	2
1002210202	30	85 OHM	500	10	CTRL TO CTRL	2
1002210203	30	85 OHM	600	10	CTRL TO CTRL	2
1002210204	30	85 OHM	1000	15	CTRL TO CTRL	2
1002210300	30	85 OHM	152	10	PCIE	3
1002210302	30	85 OHM	500	10	PCIE	3
1002210303	30	85 OHM	600	10	PCIE	3

NOTES:

1. MATERIAL:

HOUSING - NYLON, UL94-V0

LATCH - MOLDED INTO HOUSING

EXPANDO - PET

CABLE - TWIN-AX SHIELD: ALUMINIZED POLYESTER FOIL
SIGNAL AND DRAIN: SOLID COPPER

PCB - FR4 (HALOGEN FREE)

2. THIS PRODUCT CONFORMS TO THE MECHANICAL DIMENSIONING
OF SFF-8643 AND ELECTRICAL PERFORMANCE REQUIREMENTS
OF SAS 3.0

3. RoHS COMPLIANT. NO EXEMPTIONS

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
F_A = 0 F_E = 0 F_D = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#513405				molex 4X INT. HD SHORT STR TO STR CBL ASSY 85 OHM						
	MM	1:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
ANGULAR TOL ± 1°		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-04-25 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20					PRODUCT SALES DRAWING						
4 PLACES	±												
3 PLACES	±												
2 PLACES	± 0.130												
DIVISIONAL SYMBOLS	1 PLACE	± 0.25					DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION			
	0 PLACES	±					SD-100221-0100	PSD	001	E1			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER				
				D-SIZE	100221	SEE P/N TABLE	GENERAL MARKET		1 OF 3				

PINOUT 1

C O N T R O L L E R	P1			P2		B A C K P L A N E
	GND	D9		B9	GND	
	TX2-	D8	————>	B8	RX2-	
	TX2+	D7	————>	B7	RX2+	
	GND	D6	————	B6	GND	
	TX0-	D5	————>	B5	RX0-	
	TX0+	D4	————>	B4	RX0+	
	GND	D3	————	B3	GND	
	SB6	D2	-----	D1	SB6	
	SB5	D1	-----	D2	SB5	
	SB4	C1	-----	C2	SB4	
	SB2	C2	-----	C1	SB2	
	GND	C3	————	A3	GND	
	TX1+	C4	————>	A4	RX1+	
	TX1-	C5	————>	A5	RX1-	
	GND	C6	————	A6	GND	
	TX3+	C7	————>	A7	RX3+	
	TX3-	C8	————>	A8	RX3-	
	GND	C9	N/C	A9	GND	
	GND	B9	N/C	D9	GND	
	RX2-	B8	<————	D8	TX2-	
	RX2+	B7	<————	D7	TX2+	
	GND	B6	————	D6	GND	
	RX0-	B5	<————	D5	TX0-	
	RX0+	B4	<————	D4	TX0+	
	GND	B3	————	D3	GND	
	SB1	B2	-----	B1	SB1	
	SB3	B1	-----	B2	SB3	
	SB7	A1	-----	A2	SB7	
	SB0	A2	-----	A1	SB0	
	GND	A3	————	C3	GND	
	RX1+	A4	<————	C4	TX1+	
	RX1-	A5	<————	C5	TX1-	
	GND	A6	————	C6	GND	
	RX3+	A7	<————	C7	TX3+	
	RX3-	A8	<————	C8	TX3-	
	GND	A9	N/C	C9	GND	

PINOUT 2

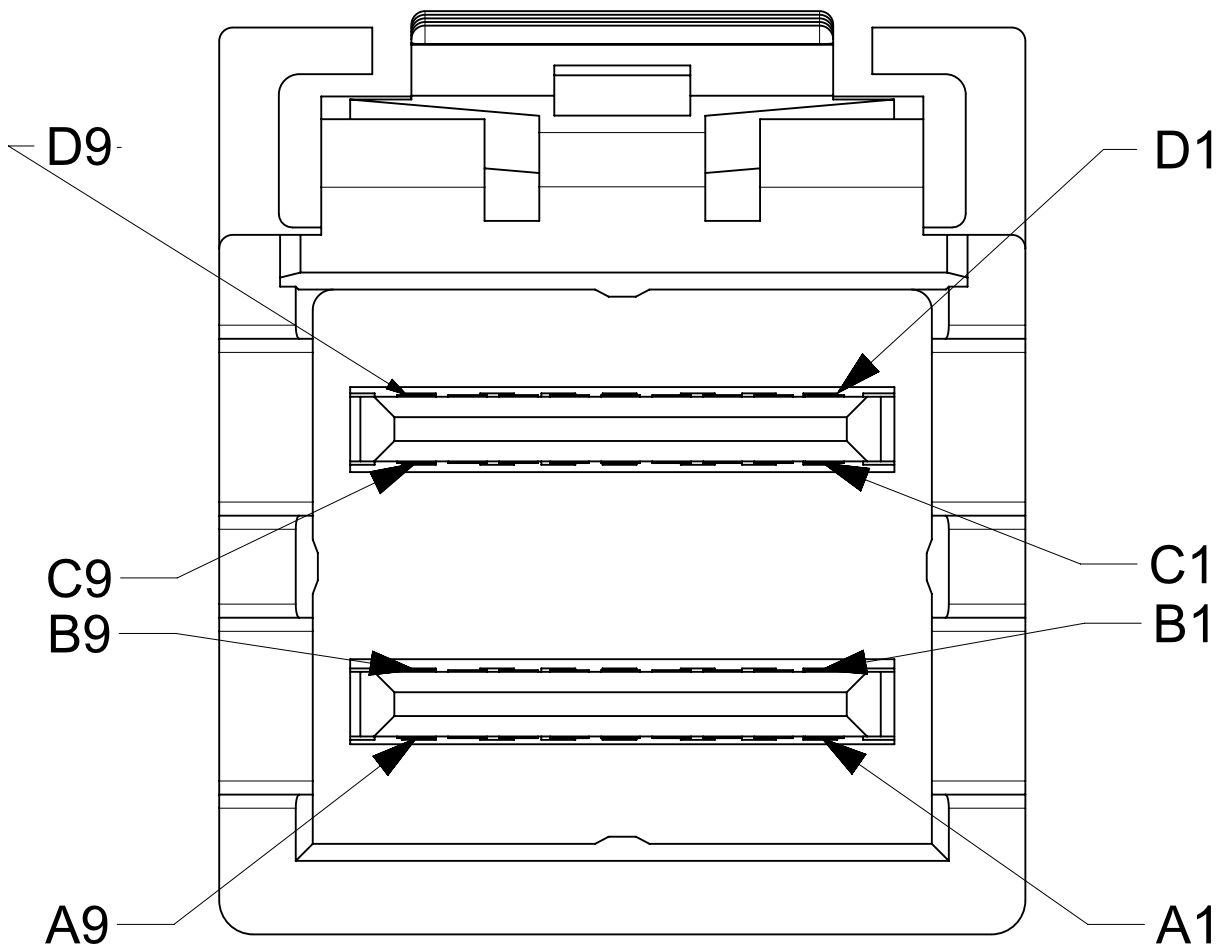
C O N T R O L L E R	P1			P2		C O N T R O L L E R
	GND	D9		B9	GND	
	TX2-	D8	————>	B8	RX2-	
	TX2+	D7	————>	B7	RX2+	
	GND	D6	————	B6	GND	
	TX0-	D5	————>	B5	RX0-	
	TX0+	D4	————>	B4	RX0+	
	GND	D3	————	B3	GND	
	SB6	D2	-----	B2	SB1	
	SB5	D1	-----	C2	SB2	
	SB4	C1	-----	B1	SB3	
	SB2	C2	-----	D1	SB5	
	GND	C3	————	A3	GND	
	TX1+	C4	————>	A4	RX1+	
	TX1-	C5	————>	A5	RX1-	
	GND	C6	————	A6	GND	
	TX3+	C7	————>	A7	RX3+	
	TX3-	C8	————>	A8	RX3-	
	GND	C9	N/C	A9	GND	
	GND	B9	N/C	D9	GND	
	RX2-	B8	<————	D8	TX2-	
	RX2+	B7	<————	D7	TX2+	
	GND	B6	————	D6	GND	
	RX0-	B5	<————	D5	TX0-	
	RX0+	B4	<————	D4	TX0+	
	GND	B3	————	D3	GND	
	SB1	B2	-----	D2	SB6	
	SB3	B1	-----	C1	SB4	
	SB0	A2	-----	A1	SB7	
	GND	A3	————	C3	GND	
	RX1+	A4	<————	C4	TX1+	
	RX1-	A5	<————	C5	TX1-	
	GND	A6	————	C6	GND	
	RX3+	A7	<————	C7	TX3+	
	RX3-	A8	<————	C8	TX3-	
	GND	A9	N/C	C9	GND	

PINOUT 3

P C I E	P1			P2		
	GND	D9		B9	GND	
	TX2-	D8	————>	B8	RX2-	
	TX2+	D7	————>	B7	RX2+	
	GND	D6	————	B6	GND	
	TX0-	D5	————>	B5	RX0-	
	TX0+	D4	————>	B4	RX0+	
	GND	D3	————	B3	GND	
	SB6	D2	-----	D1	SB6	
	SB5	D1	-----	D2	SB5	
	WAKE _n	C1	-----	C2	CWAKE _n	
	RST _n	C2	-----	C1	CPERST _n	
	GND	C3	————	A6	GND	
	TX1+	C4	————>	A4	RX1+	
	TX1-	C5	————>	A5	RX1-	
	GND	C6	————	A9	GND	
	TX3+	C7	————>	A7	RX3+	
	TX3-	C8	————>	A8	RX3-	
	GND	C9	N/C	C9	GND	
	GND	B9	N/C	D9	GND	
	RX2-	B8	<————	D8	TX2-	
	RX2+	B7	<————	D7	TX2+	
	GND	B6	————	D6	GND	
	RX0-	B5	<————	D5	TX0-	
	RX0+	B4	<————	D4	TX0+	
	GND	B3	————	D3	GND	
	SB1	B2	-----	B1	SB1	
	SB3	B1	-----	B2	SB3	
	CLK+	A1	<————	A2	CLK+	
	CLK-	A2	<————	A1	CLK-	
	GND	A3	————	A3	GND	
	RX1+	A4	<————	C4	TX1+	
	RX1-	A5	<————	C5	TX1-	
	GND	A6	————	C3	GND	
	RX3+	A7	<————	C7	TX3+	
	RX3-	A8	<————	C8	TX3-	
	GND	A9	————	C6	GND	

LEGEND:

- = GROUND LINES
----- = THRU LINES
————> = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS

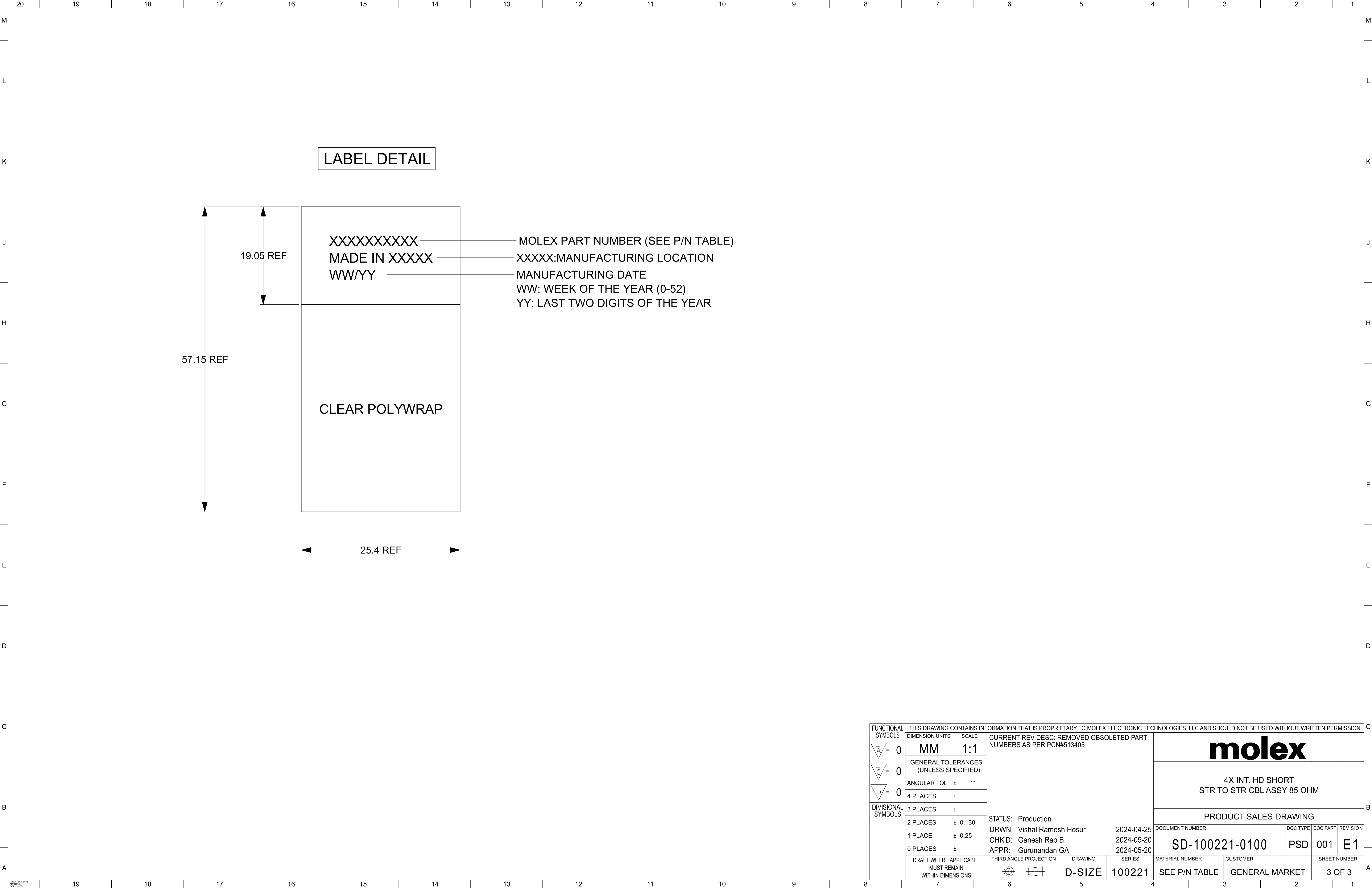


FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	DIMENSION UNITS MM		SCALE 20:1		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#513405						
	GENERAL TOLERANCES (UNLESS SPECIFIED)						STATUS: Production DRWN: Vishal Ramesh Hosur CHK'D: Ganesh Rao B APPR: Gurunandan GA THIRD ANGLE PROJECTION 				
	ANGULAR TOL		± 1°								
	4 PLACES		±								
	3 PLACES		±								
	2 PLACES		± 0.130								
	1 PLACE		± 0.25								
	0 PLACES		±								
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWING D-SIZE		SERIES 100221		MATERIAL NUMBER SEE P/N TABLE		CUSTOMER GENERAL MARKET
								SHEET NUMBER 2 OF 3			

4X INT. HD SHORT
STR TO STR CBL ASSY 85 OHM

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-100221-0100	PSD	001	E1



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#513405							
		MM		1:1									
		GENERAL TOLERANCES (UNLESS SPECIFIED)											
		ANGULAR TOL		± 1°									
		4 PLACES		±									
		3 PLACES		±		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-04-25 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20							
		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	
				D-SIZE		100221		SEE P/N TABLE		GENERAL MARKET		3 OF 3	

molex

4X INT. HD SHORT
STR TO STR CBL ASSY 85 OHM

PRODUCT SALES DRAWING

DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
SD-100221-0100		PSD	001	E1