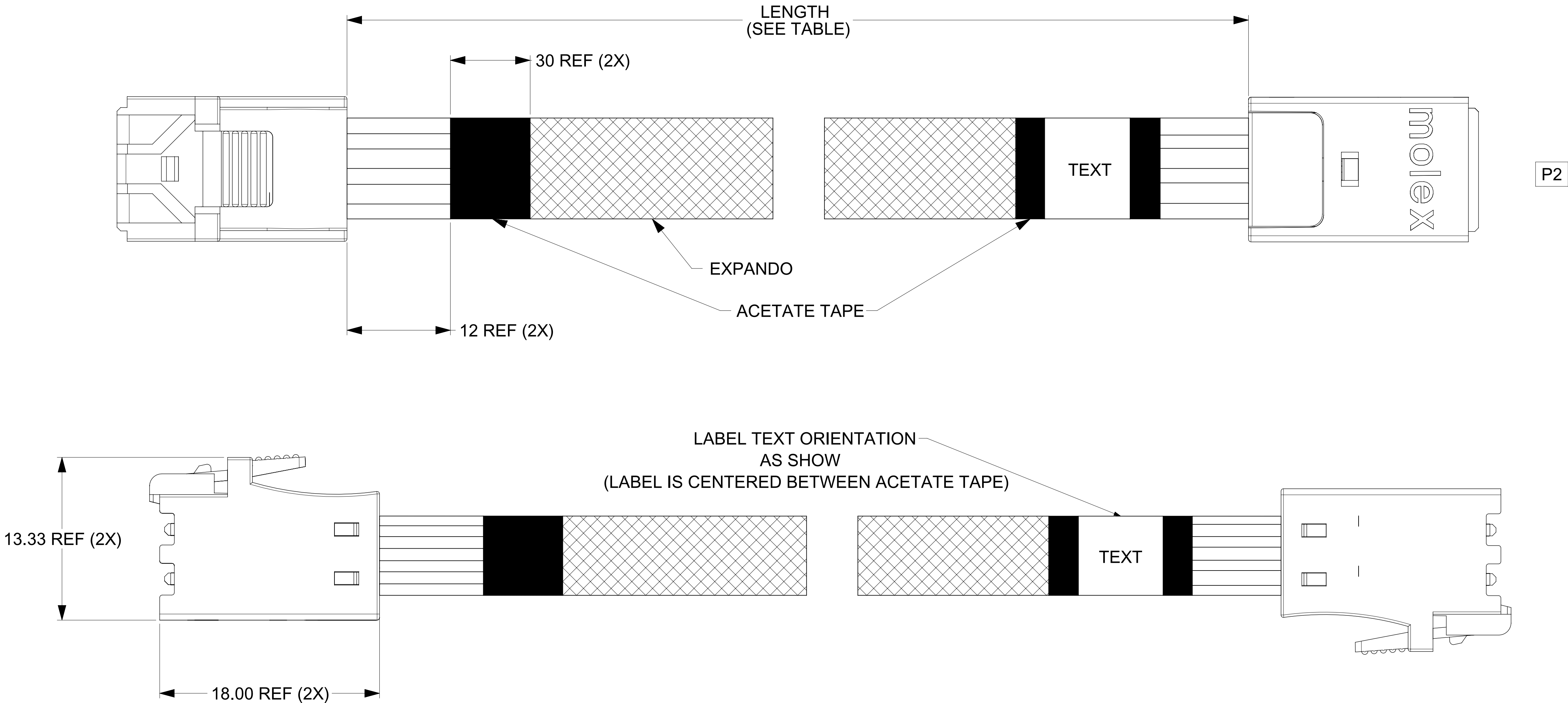
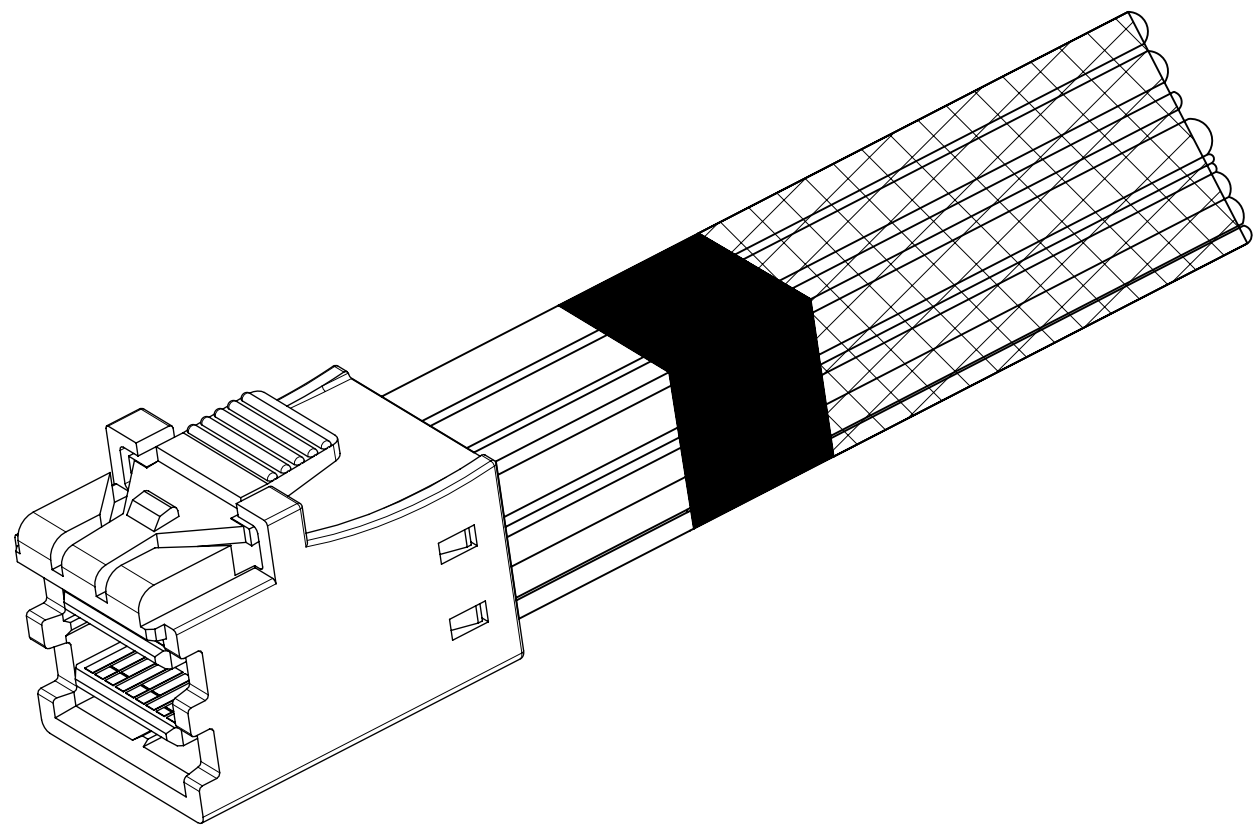




NOTES:

- MATERIAL:
 - HOUSING - NYLON, UL94-V0
 - LATCH - MOLDED INTO HOUSING
 - EXPANDO - PET
 - CABLE - TWIN-AX SHIELD: ALUMNINIZED POLYESTER FOIL
SIGNAL AND DRAIN: SOLID COPPER
 - PCB - FR4 (HALOGEN FREE)
- THIS PRODUCT CONFORMS TO THE MECHANICAL DIMENSIONING OF SFF-8643 AND ELECTRICAL PERFORMANCE REQUIREMENTS OF SAS 3.0
- RoHS COMPLIANT. NO EXEMPTIONS

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

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					molex				
	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 ±									
	2 PLACES ± 0.130									
	1 PLACE ± 0.25									
	0 PLACES ±									
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					
					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
					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

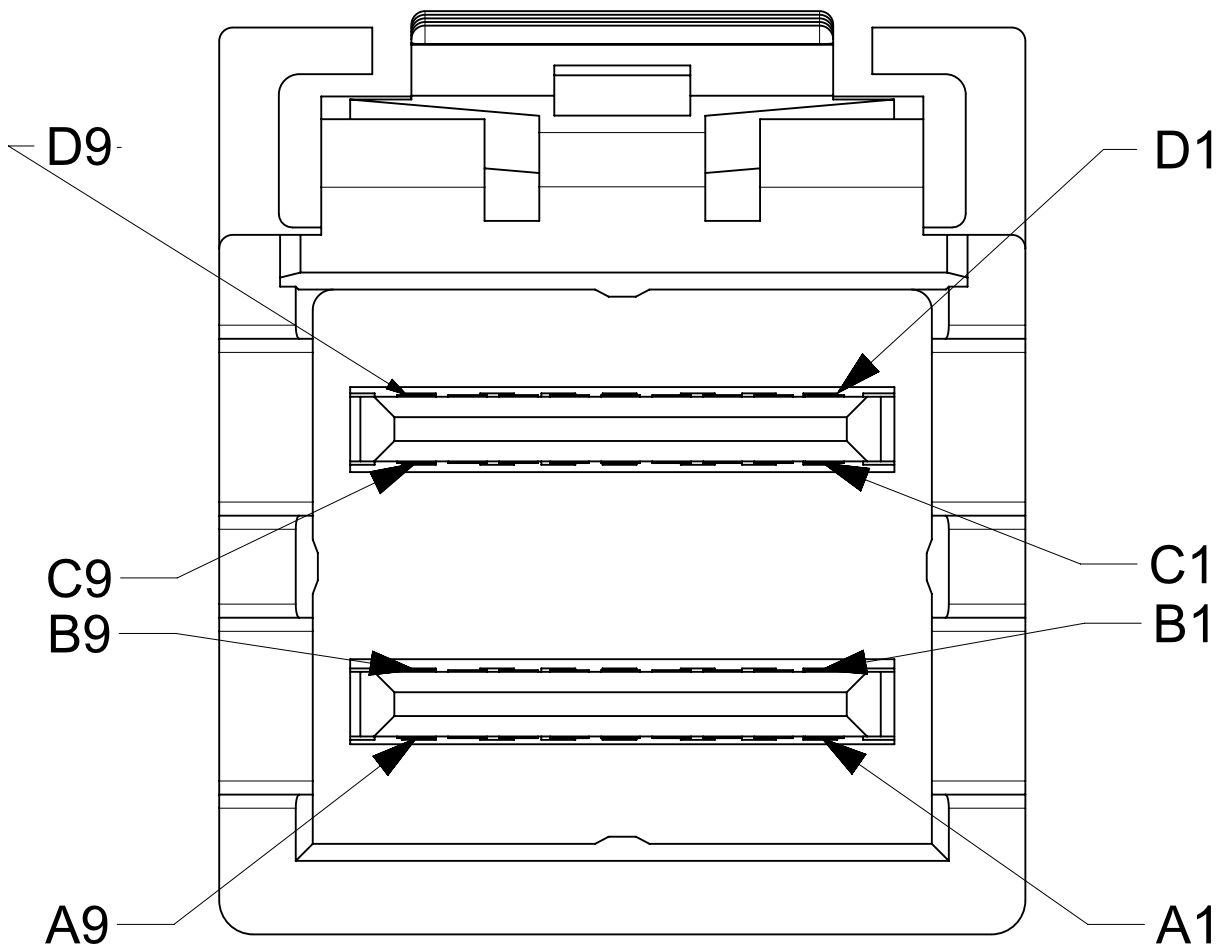
C O N T R O L L E R	P1			P2		C O N T R O L L E R
	GND	D9		B9	GND	
	TX2-	D8	————>	B8	RX2-	
	TX2+	D7	————>	B7	RX2+	
	GND	D6	————	B6	GND	
	TX0-	D5	————>	B5	RX0-	
	TX0+	D4	————>	B4	RX0+	
	GND	D3	————	B3	GND	
	SB6	D2	-----	B2	SB1	
	SB5	D1	-----	C2	SB2	
	SB4	C1	-----	B1	SB3	
	SB2	C2	-----	D1	SB5	
	GND	C3	————	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

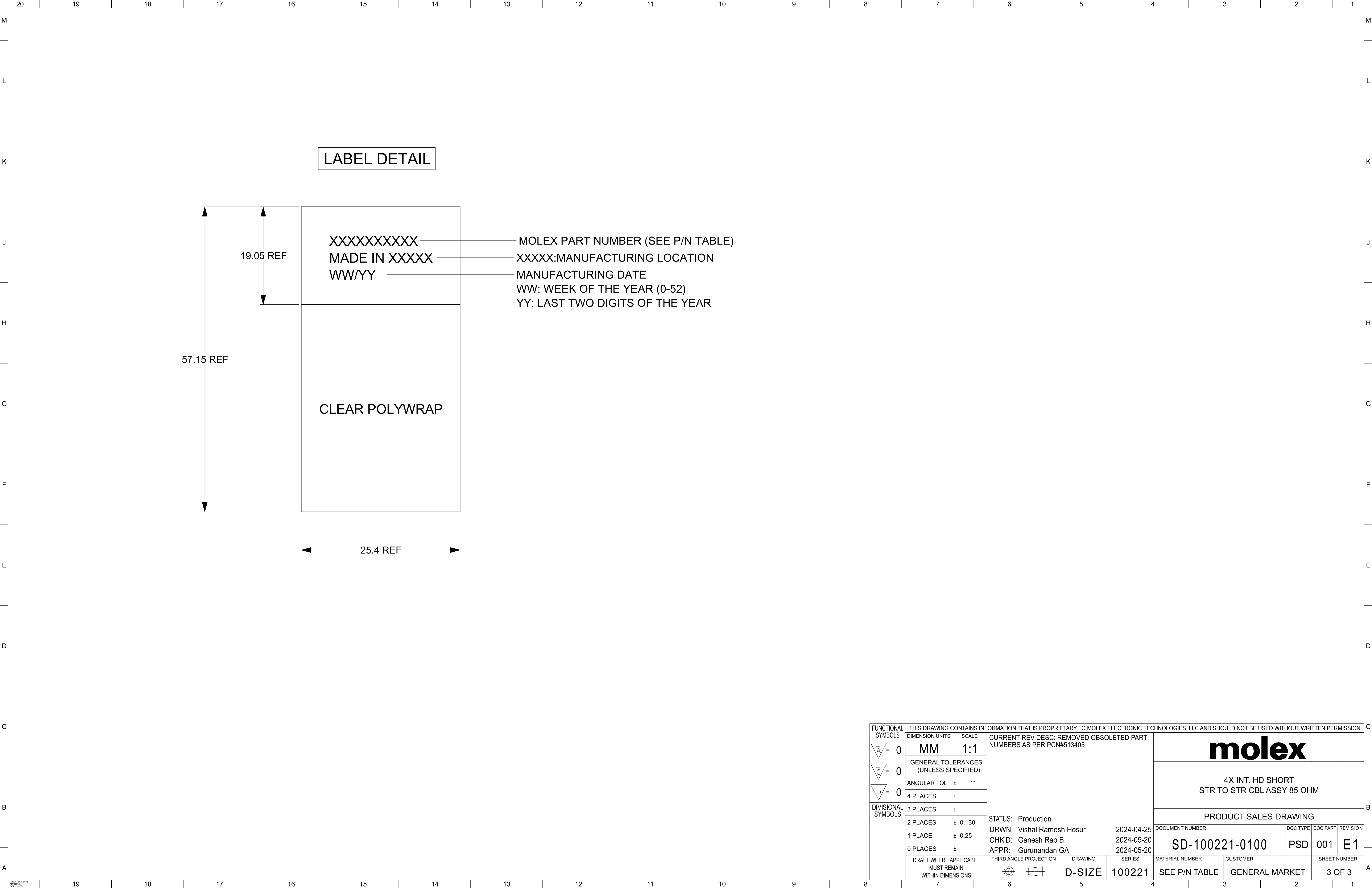
P C I E	P1			P2		
	GND	D9		B9	GND	
	TX2-	D8	————>	B8	RX2-	
	TX2+	D7	————>	B7	RX2+	
	GND	D6	————	B6	GND	
	TX0-	D5	————>	B5	RX0-	
	TX0+	D4	————>	B4	RX0+	
	GND	D3	————	B3	GND	
	SB6	D2	-----	D1	SB6	
	SB5	D1	-----	D2	SB5	
	WAKE _n	C1	-----	C2	CWAKE _n	
	RST _n	C2	-----	C1	CPERST _n	
	GND	C3	————	A6	GND	
	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 $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$ 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)	
	ANGULAR TOL	± 1°
	4 PLACES	±
	3 PLACES	±
2 PLACES	± 0.130	
1 PLACE	± 0.25	
0 PLACES	±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
THIRD ANGLE PROJECTION 		
DRAWING D-SIZE		
SERIES 100221		
STATUS: Production DRWN: Vishal Ramesh Hosur CHK'D: Ganesh Rao B APPR: Gurunandan GA		
2024-04-25 2024-05-20 2024-05-20		
DOCUMENT NUMBER SD-100221-0100		
DOC TYPE PSD		
DOC PART 001		
REVISION E1		
MATERIAL NUMBER SEE P/N TABLE		
CUSTOMER GENERAL MARKET		
SHEET NUMBER 2 OF 3		



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		DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#513405									
		MM		1:1											
		GENERAL TOLERANCES (UNLESS SPECIFIED)													
		ANGULAR TOL ± 1°													
DIVISIONAL SYMBOLS		4 PLACES		±		STATUS: Production DRWN: Vishal Ramesh Hosur 2024-04-25 CHK'D: Ganesh Rao B 2024-05-20 APPR: Gurunandan GA 2024-05-20									
		3 PLACES		±											
		2 PLACES		± 0.130											
		1 PLACE		± 0.25											
		0 PLACES		±											
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													
		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						D-SIZE		100221		SD-100221-0100		PSD		001 E1	
								MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
								SEE P/N TABLE		GENERAL MARKET				3 OF 3	