

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#513405				molex 8X INT HD SHORT BODY STRAIGHT CBL ASSY PRODUCT SALES DRAWING <table><tr><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td colspan="2">1001900100</td><td>PSD</td><td>000</td><td>C1</td></tr></table>					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	1001900100		PSD	000	C1
DOCUMENT NUMBER		DOC TYPE	DOC PART										REVISION									
1001900100		PSD	000										C1									
MM		4:1																				
GENERAL TOLERANCES (UNLESS SPECIFIED)																						
ANGULAR TOL		± °																				
4 PLACES		±																				
3 PLACES		±																				
2 PLACES		±																				
1 PLACE		±																				
0 PLACES		±																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER										
				D-SIZE		100190		SEE P/N TABLE		GENERAL MARKET		1 OF 4										

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

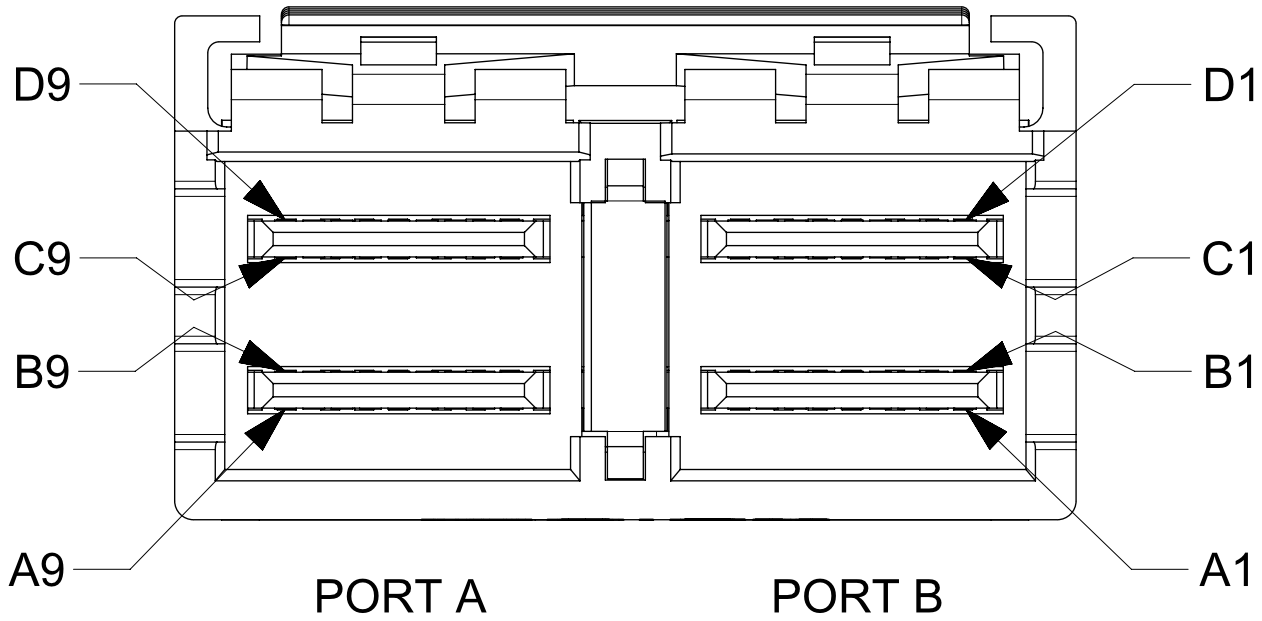
PINOUT 1

PINOUT 2

C O N T R O L L E R	P1			P2		B A C K P L A N E
	GND	D9	NC	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	NC	A9	GND	
	GND	B9	NC	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	NC	C9	GND	

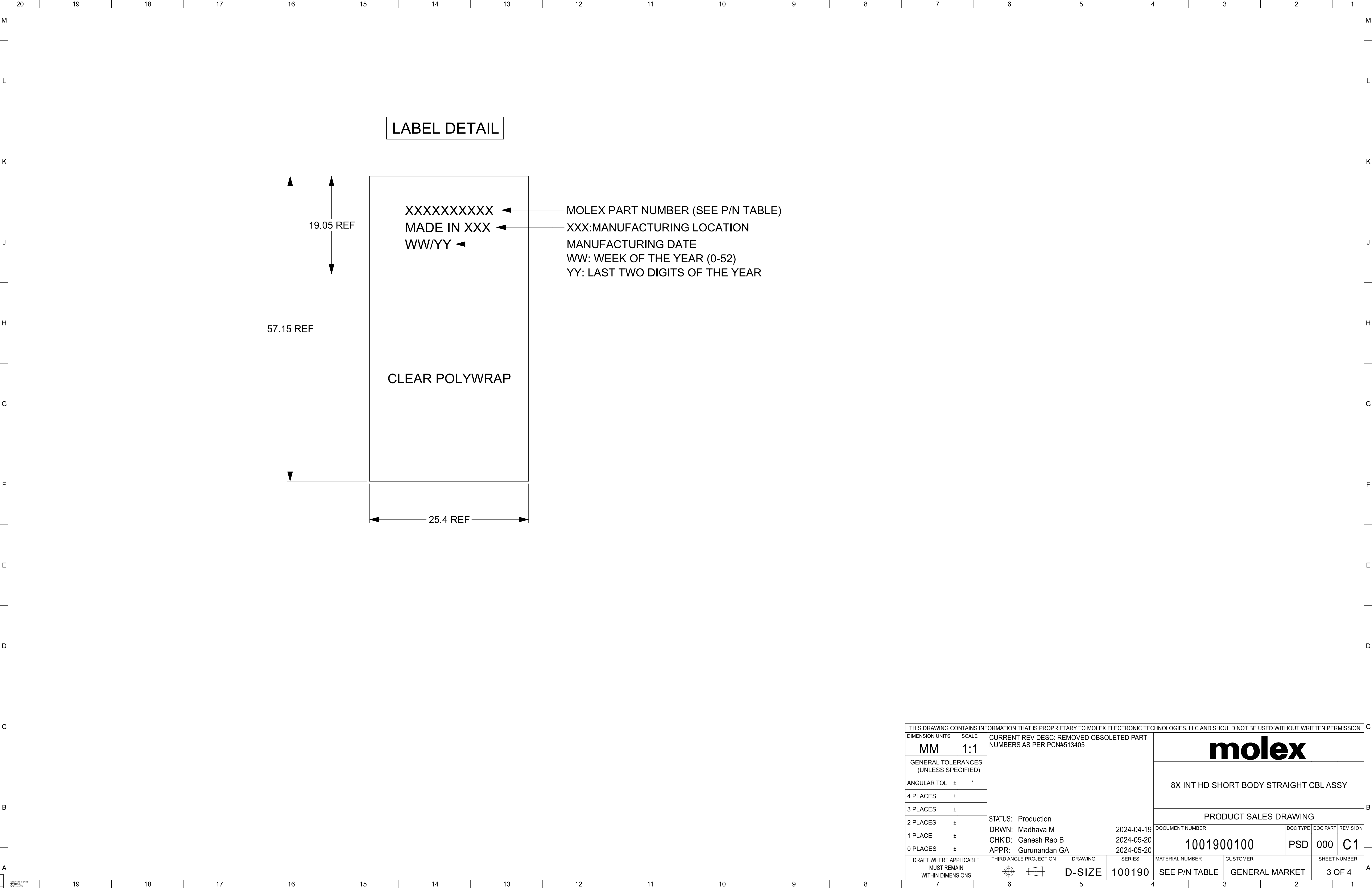
C O N T R O L L E R	P1			P2		C O N T R O L L E R
	GND	D9	NC	B9	GND	
	TX2-	D8	————>	B8	RX2-	
	TX2+	D7	————>	B7	RX2+	
	GND	D6	————	B6	GND	
	TX0-	D5	————>	B5	RX0-	
	TX0+	D4	————>	B4	RX0+	
	GND	D3	————	B3	GND	
	SB6	D2	-----	B2	SB1	
	SB5	D1	-----	C2	SB2	
	SB4	C1	-----	B1	SB3	
	SB2	C2	-----	D1	SB5	
	GND	C3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

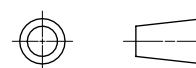
P1 & P2



LEGEND:
———— = GROUND LINES
----- = THRU LINES
————> = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS
PORT A ——— PORT B
PORT B ——— PORT A

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DIMENSION UNITS MM		SCALE 1:1		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#513405				molex							
GENERAL TOLERANCES (UNLESS SPECIFIED)											8X INT HD SHORT BODY STRAIGHT CBL ASSY				
ANGULAR TOL ± °															
4 PLACES ±								PRODUCT SALES DRAWING							
3 PLACES ±															
2 PLACES ±				STATUS: Production DRWN: Madhava M CHK'D: Ganesh Rao B APPR: Gurunandan GA		2024-04-19 2024-05-20 2024-05-20		DOCUMENT NUMBER							
1 PLACE ±								1001900100							
0 PLACES ±								PSD 000 C1							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING D-SIZE		SERIES 100190		MATERIAL NUMBER SEE P/N TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 4	



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