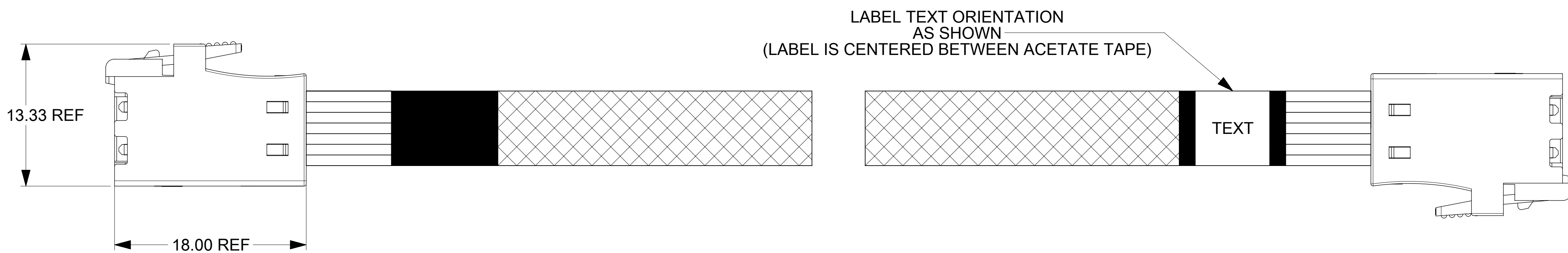
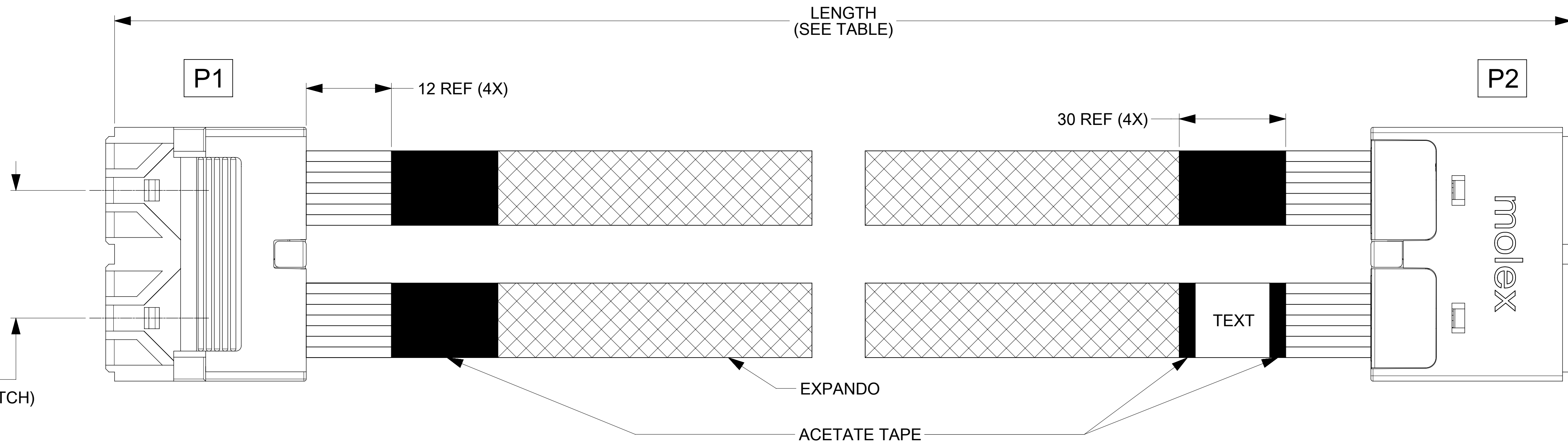


12.0 ±0.1 TYP
(PORT TO PORT PITCH)



MOLEX P/N	AWG	IMPEDANCE	LENGTH (mm)	TOLERANCE (±mm)	DESCRIPTION	PINOUT
1001900100	30	100 OHM	152	10	CTRL TO BP	1
1001900101	30	100 OHM	300	10	CTRL TO BP	1
1001900102	30	100 OHM	500	10	CTRL TO BP	1
1001900103	30	100 OHM	600	10	CTRL TO BP	1
1001900104	30	100 OHM	1000	15	CTRL TO BP	1
1001900105	30	100 OHM	191	10	CTRL TO BP	1
1001900200	30	100 OHM	152	10	CTRL TO CTRL	2
1001900201	30	100 OHM	300	10	CTRL TO CTRL	2
1001900202	30	100 OHM	500	10	CTRL TO CTRL	2
1001900203	30	100 OHM	600	10	CTRL TO CTRL	2
1001900204	30	100 OHM	1000	15	CTRL TO CTRL	2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS mm	SCALE 4:1	CURRENT REV DESC:	molex		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 600854			
ANGULAR TOL ± °		DRWN: THSU 2018/06/19	PRODUCT CUSTOMER DRAWING		
4 PLACES ±		CHK'D: VPENG01 2018/07/02	DOCUMENT NUMBER		
3 PLACES ±		APPR: VPENG01 2018/07/02	1001900100		
2 PLACES ±		INITIAL REVISION:	DOC TYPE	DOC PART	REVISION
1 PLACE ±		DRWN: LOU01 2017/11/27	PSD	000	C
0 PLACES ±		APPR: VPENG01 2018/05/07	MATERIAL NUMBER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	CUSTOMER		SHEET NUMBER
		DRAWING	GENERAL MARKET		1 OF 4
		SCALE	SEE P/N TABLE		
		D-SIZE			
		SERIES			
		100190			

- NOTES:
- 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)
 - THIS PRODUCT CONFORMS TO THE MECHANICAL DIMENSIONING OF SFF-8643 AND ELECTRICAL PERFORMANCE REQUIREMENTS OF SAS 3.0
 - RoHS COMPLIANT. NO EXEMPTIONS

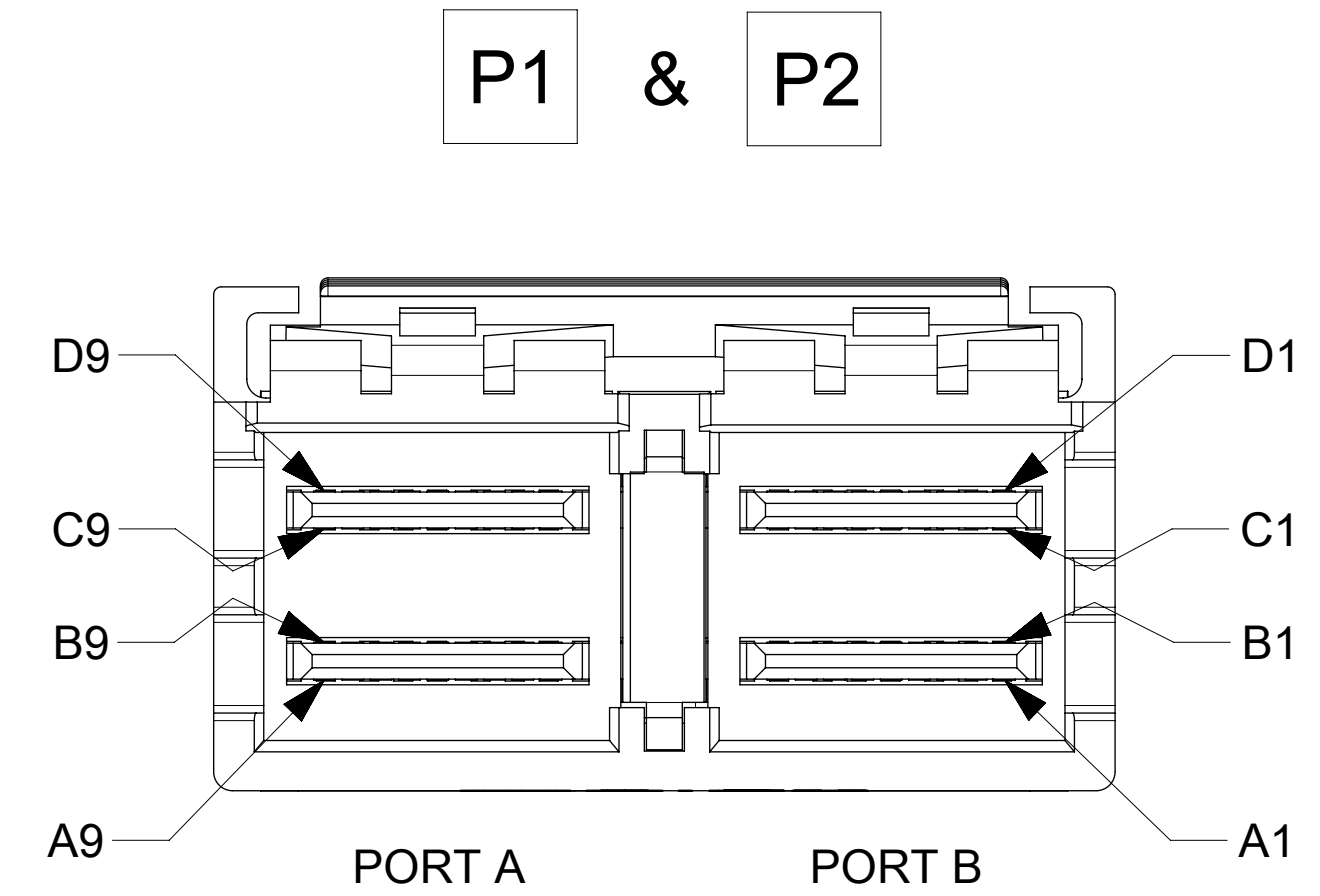
DOCUMENT STATUS	P1	RELEASE DATE	2018/07/02	15:24:26
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PINOUT 1

PINOUT 2

	P1		NC	P2	
		GND		D9	B9
	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

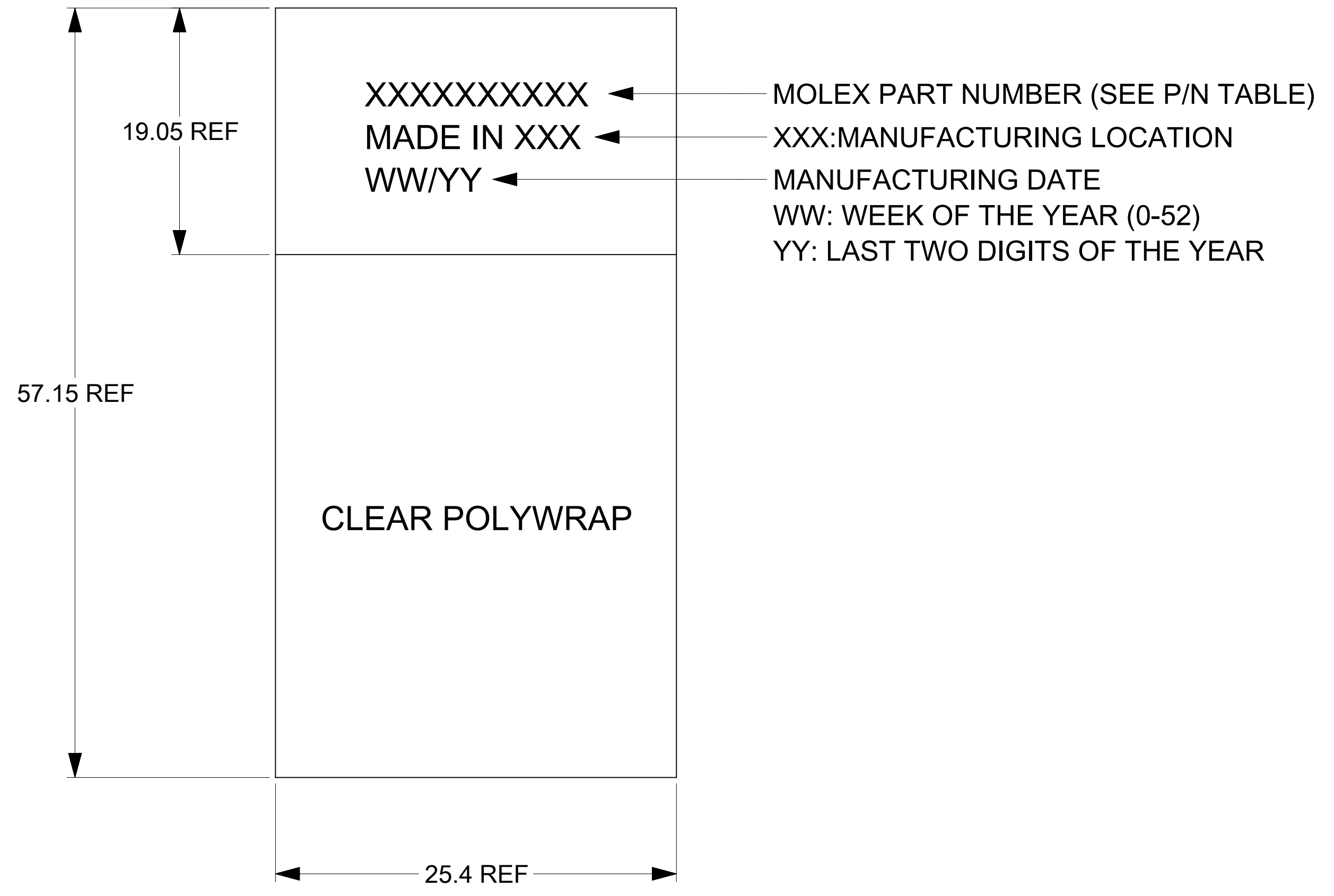
	P1		NC	P2	
		GND		D9	B9
	TX2-	D8	→	B8	RX2-
	TX2+	D7	→	B7	RX2+
	GND	D6	——	B6	GND
	TX0-	D5	→	B5	RX0-
	TX0+	D4	→	B4	RX0+
	GND	D3	——	B3	GND
	SB6	D2	-----	B2	SB1
	SB5	D1	-----	C2	SB2
	SB4	C1	-----	B1	SB3
	SB2	C2	-----	D1	SB5
	GND	C3	——	A3	GND
	TX1+	C4	→	A4	RX1+
	TX1-	C5	→	A5	RX1-
	GND	C6	——	A6	GND
	TX3+	C7	→	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



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

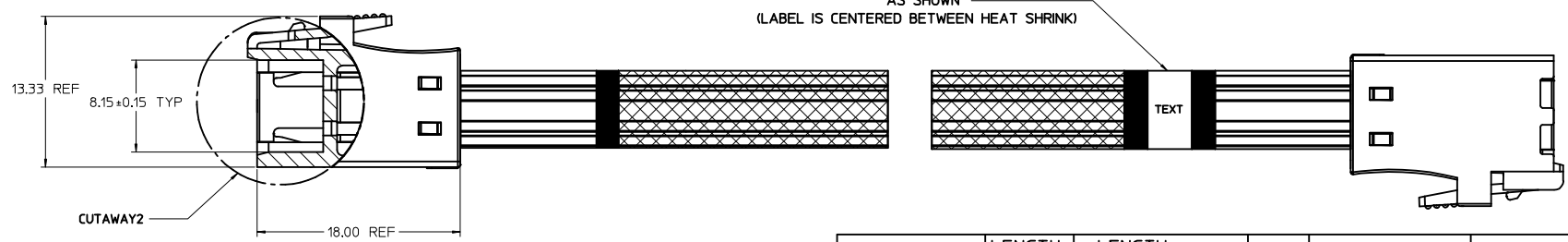
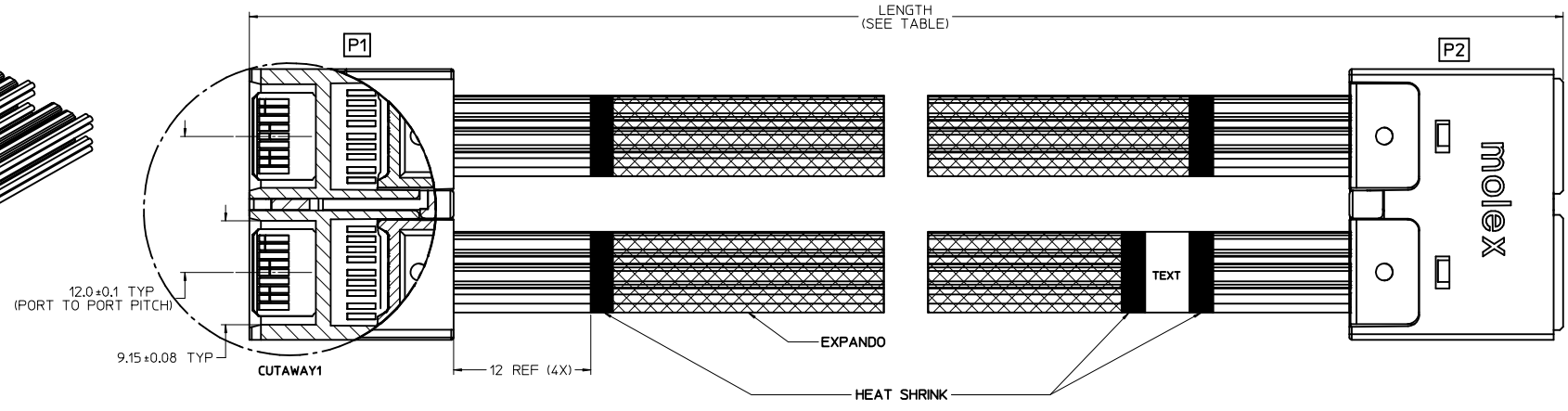
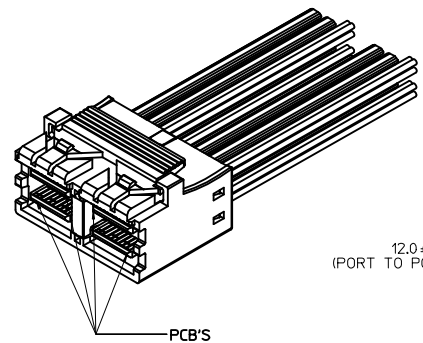
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC:							
mm	1:1	<div style="text-align: right; font-size: 24pt; font-weight: bold;">molex</div> <p>8X INT HD SHORT BODY STRAIGHT CBL ASSY</p> <p>PRODUCT CUSTOMER DRAWING</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± °								
4 PLACES	±								
3 PLACES	±								
2 PLACES	±	EC NO: 600854	2018/06/19	<div style="text-align: right; font-size: 18pt; font-weight: bold;">1001900100</div>					
1 PLACE	±	DRWN: THSU	2018/07/02						
0 PLACES	±	CHK'D: VPENG01	2018/07/02						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: VPENG01	2018/07/02						
THIRD ANGLE PROJECTION		DRAWING		SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
D-SIZE		100190	SEE P/N TABLE	GENERAL MARKET	2 OF 4				

LABEL DETAIL



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:				molex	
mm		1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 600854				8X INT HD SHORT BODY STRAIGHT CBL ASSY	
ANGULAR TOL ± °				DRWN: THSU 2018/06/19					
4 PLACES ±				CHK'D: VPENG01 2018/07/02				PRODUCT CUSTOMER DRAWING	
3 PLACES ±				APPR: VPENG01 2018/07/02					
2 PLACES ±				INITIAL REVISION:				DOCUMENT NUMBER	
1 PLACE ±				DRWN: LOU01 2017/11/27					
0 PLACES ±				APPR: VPENG01 2018/05/07				1001900100	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		CUSTOMER	
				D-SIZE		100190		GENERAL MARKET	
								SHEET NUMBER	
								3 OF 4	

TM-100190-0100



- NOTES:
- MATERIAL:
HOUSING - NYLON UL94 V-0
LATCH - MOLDED INTO HOUSING
CABLE:
TWIN-AX SHIELD: ALUMINIZED POLYESTER FOIL
INNER DIELECTRIC: FEP
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	LENGTH (M)	LENGTH TOLERANCE (mm)	AWG	DESCRIPTION	PINOUT
1001900100	0.152	±10	30	CTRL TO BP	1
1001900101	0.300	±10	30	CTRL TO BP	1
1001900102	0.500	±10	30	CTRL TO BP	1
1001900103	0.600	±10	30	CTRL TO BP	1
1001900104	1.000	±15	30	CTRL TO BP	1
1001900200	0.152	±10	30	CTRL TO CTRL	2
1001900201	0.300	±10	30	CTRL TO CTRL	2
1001900202	0.500	±10	30	CTRL TO CTRL	2
1001900203	0.600	±10	30	CTRL TO CTRL	2
1001900204	1.000	±15	30	CTRL TO CTRL	2

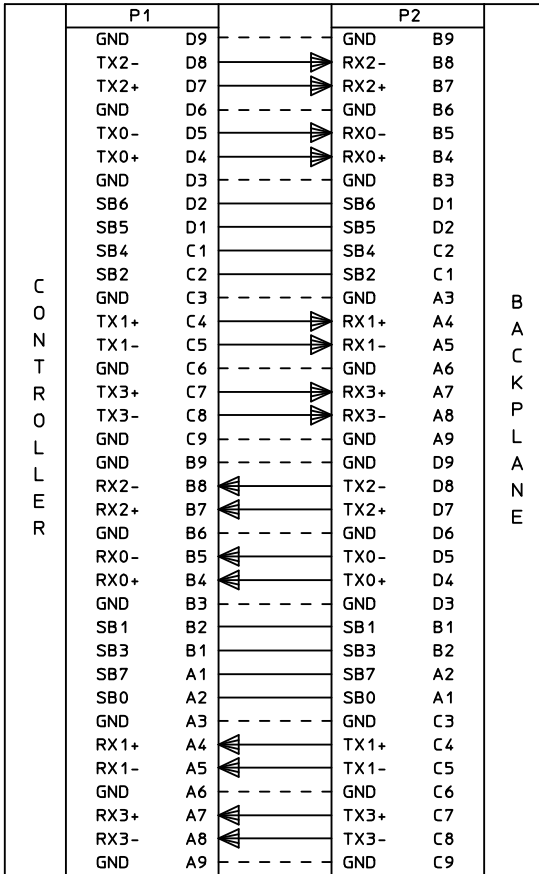
INITIAL RELEASE IEC NO: CPG2014-0206 DRAWN BY: EMEDINA 2013/06/07 CHECKED BY: PSYSTMA 2013/06/14 APPR: CHIRSCHY 2014/04/24	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.13 ±--- 1 PLACE ±0.25 ±--- 0 PLACE ±--- ±---		DIMENSION STYLE MM ONLY DRAWN BY: EMEDINA 2013/06/07 CHECKED BY: PSYSTMA 2013/06/14 APPROVED BY: CHIRSCHY 2014/04/24		SCALE: 5:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION
		ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO: SEE P/N TABLE DATE: 2014/04/24		DOCUMENT NO: SD-100190-0100 SHEET NO: 1 OF 3

8X INTERNAL HD SHORT BODY STRAIGHT CABLE ASSEMBLY

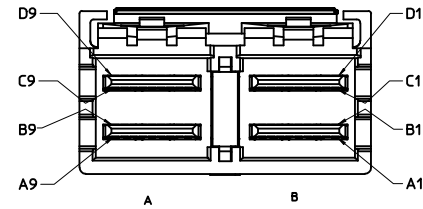
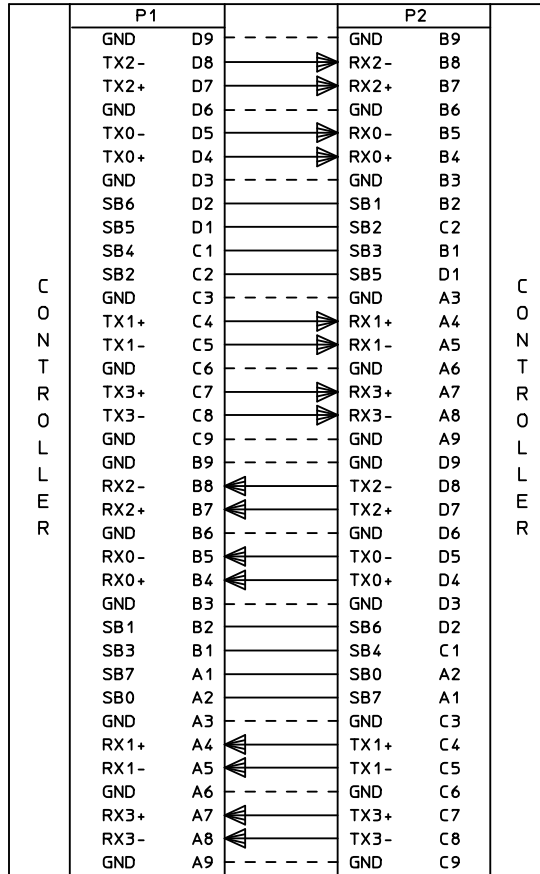
molex

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PINOUT 1



PINOUT 2

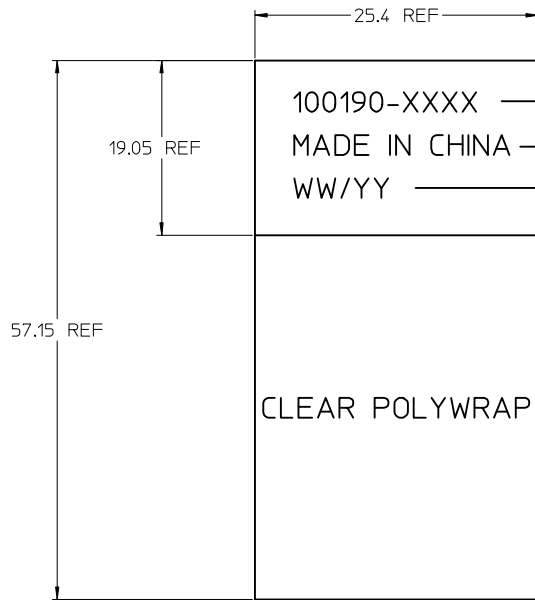


----- = THRU LINES
 -----> = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS

NOTE:
 THESE PINOUTS ARE DUPLICATED FOR BOTH PORTS.

INITIAL RELEASE EC NO: CPG2014-0206 DRAWN BY: EMEDINA CHECKED BY: PSYSTMA APPROVED BY: CHIRSCHY	2013/06/07	2013/06/24	2014/04/24	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	▽=0	▽=0	4 PLACES ± mm	MM ONLY	1:1	METRIC	8X INTERNAL HD SHORT BODY STRAIGHT CABLE ASSEMBLY	
	▽=0	▽=0	▽=0	3 PLACES ±	INCH				
	▽=0	▽=0	▽=0	2 PLACES ±0.13					
					ANGULAR ±1/2°	DRAWN BY: EMEDINA	DATE: 2013/06/07	TITLE: 8X INTERNAL HD SHORT BODY STRAIGHT CABLE ASSEMBLY	
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY: PSYSTMA	DATE: 2013/06/24	MATERIAL NO. SD-100190-0100	
						APPROVED BY: CHIRSCHY	DATE: 2014/04/24	DOCUMENT NO. SD-100190-0100	
						SEE SHEET 1		SHEET NO. 2 OF 3	
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

LABEL DETAIL



100190-XXXX — MOLEX PART NUMBER (SEE P/N TABLE)
 MADE IN CHINA — MANUFACTURING LOCATION
 WW/YY — MANUFACTURING DATE
 WW: WEEK OF THE YEAR (0-52)
 YY: LAST TWO DIGITS OF THE YEAR

INITIAL RELEASE IEC NO: CPG2014-0206 DRAWN BY: EMEDINA CHECKED BY: PYSYMA APPROVED BY: CHIRSCHY DATE: 2013/06/07 DATE: 2013/06/24 DATE: 2014/04/24	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± mm	MM ONLY		METRIC	☉
	▽=0	3 PLACES ± 0.13				
	▽=0	2 PLACES ± 0.25				
		ANGULAR ±1/2°				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
			MATERIAL NO.	DOCUMENT NO.		SHEET NO.
			SEE SHEET 1	SD-100190-0100		3 OF 3
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

MIGRATED DRAWING

See PDF and DXF file in ORIGINALS
for drawing content

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
= 0	EC NO: 603676 DRWN: PHSU01 CHK'D: VPENG01 APPR: VPENG01	2018/08/30 2018/09/03 2018/09/03	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex					
= 0			ANGULAR TOL ± 0.5 °		mm	1:1						
= 0			4 PLACES ±	DRWN BY		DATE		8X INTERNAL HD SHORT BODY STRAIGHT CBL ASSY 85 OHM				
= 0			3 PLACES ±	TPRATT		2014/04/23						
= 0			2 PLACES ± 0.13	CHK'D BY		DATE						
= 0			1 PLACE ± 0.25	PSYTSMA		2014/04/23		PRODUCT CUSTOMER DRAWING				
= 0			0 PLACES ±	APPR BY		DATE						
= 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHIRSCHY		2014/04/30		SERIES	MATERIAL NUMBER	CUSTOMER	
= 0					DRAWING SIZE	THIRD ANGLE PROJECTION		100224		GENERAL MARKET		
			E	REV	B			DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER	
						SD-100224-0100	PSD	001	1 OF 1			