

LABEL TEXT ORIENTATION  
AS SHOWN  
(LABEL IS CENTERED BETWEEN ACETATE TAPE)

MOLEX P/N	AWG	IMPEDANCE	LENGTH(M)	TOLERNCE(+/-mm)	DESCRIPTION	PINOUT
1001710100	30	100 Ohms	0.152	10	CTRL TO BP	1
1001710101	30	100 Ohms	0.300	10	CTRL TO BP	1
1001710102	30	100 Ohms	0.500	10	CTRL TO BP	1
1001710103	30	100 Ohms	0.600	10	CTRL TO BP	1
1001710104	30	100 Ohms	1.000	15	CTRL TO BP	1
1001710200	30	100 Ohms	0.152	10	CTRL TO CTRL	2
1001710201	30	100 Ohms	0.300	10	CTRL TO CTRL	2
1001710202	30	100 Ohms	0.500	10	CTRL TO CTRL	2
1001710203	30	100 Ohms	0.600	10	CTRL TO CTRL	2
1001710204	30	100 Ohms	1.000	15	CTRL TO CTRL	2

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

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

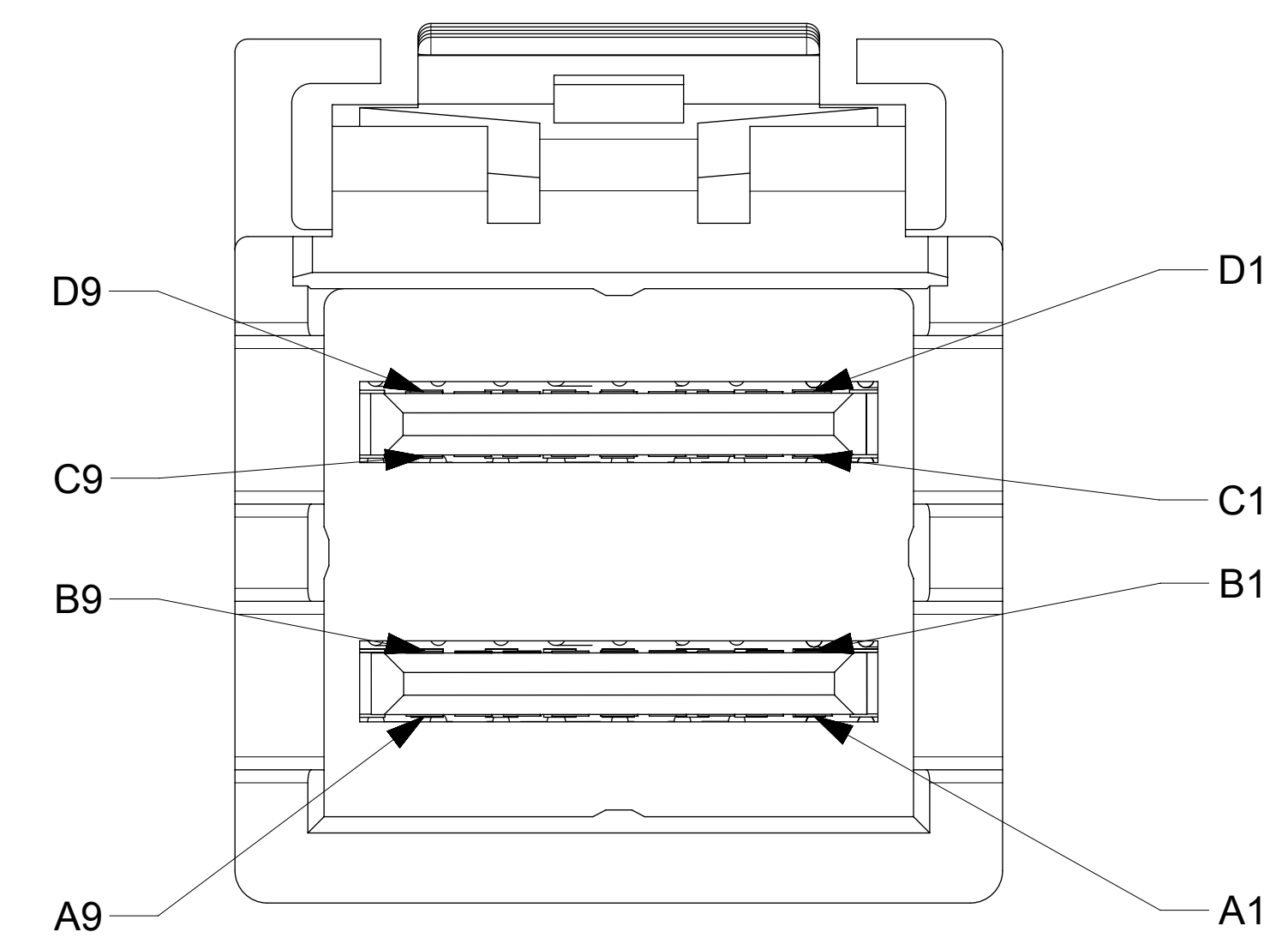
DIMENSION UNITS	SCALE	CURRENT REV DESC:									
mm	5:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 601091		HD 4X RAD TO HD 4X STR							
ANGULAR TOL	± 1.0°	DRWN: HLIN24	2017/09/12								
4 PLACES	±	CHK'D: VPENG01	2018/07/11	PRODUCT CUSTOMER DRAWING							
3 PLACES	±	APPR: VPENG01	2018/07/11								
2 PLACES	± 0.13	INITIAL REVISION:		DOCUMENT NUMBER							
1 PLACE	± 0.25	DRWN: HLIN24	2017/09/12					1001710100			
0 PLACES	±	APPR: VPENG01	2018/07/11	DOC TYPE							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION						DRAWING		SERIES	
				D-SIZE		100171		GENERAL MARKET		1 OF 4	

PINOUT 1

	P1			P2	
	GND	D9	N/C	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

	P1			P2	
	GND	D9	N/C	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
	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	N/C	C9	GND



LEGEND:  
 <-----> = SIDEBAND  
 -----> = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS  
 ----- = GND

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		10:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 601091					
ANGULAR TOL ± 1.0°				DRWN: HLIN24 2017/09/12					
4 PLACES ±				CHK'D: VPENG01 2018/07/11					
3 PLACES ±				APPR: VPENG01 2018/07/11					
2 PLACES ± 0.13				INITIAL REVISION:					
1 PLACE ± 0.25				DRWN: HLIN24 2017/09/12					
0 PLACES ±				APPR: VPENG01 2018/07/11					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				D-SIZE		100171		1001710100	
DOCUMENT STATUS				CUSTOMER		GENERAL MARKET		SHEET NUMBER	
P1								2 OF 4	
RELEASE DATE				2018/07/11		20:14:54			

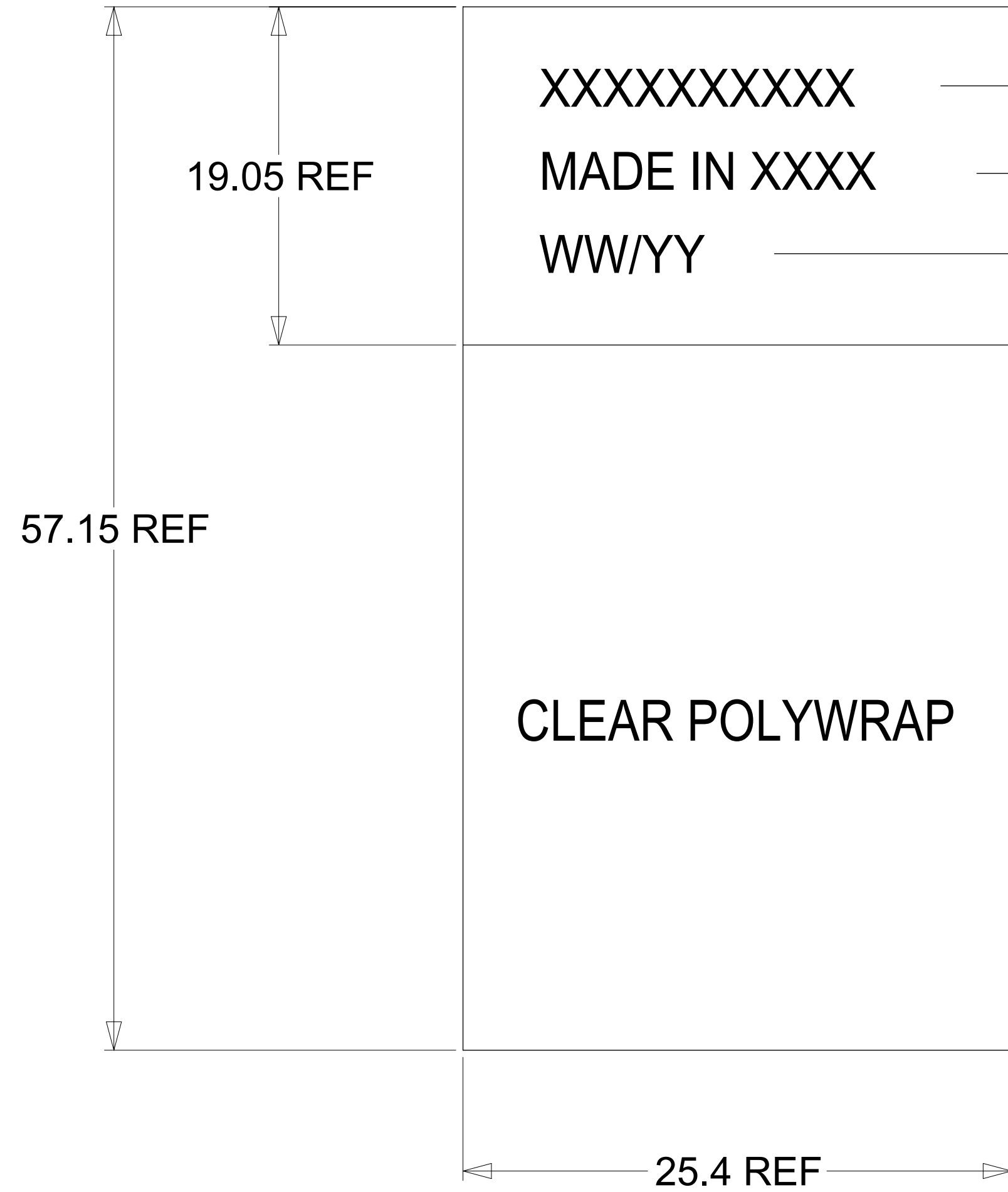
**molex**

HD 4X RAD TO HD 4X STR

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1001710100	PSD	000	D

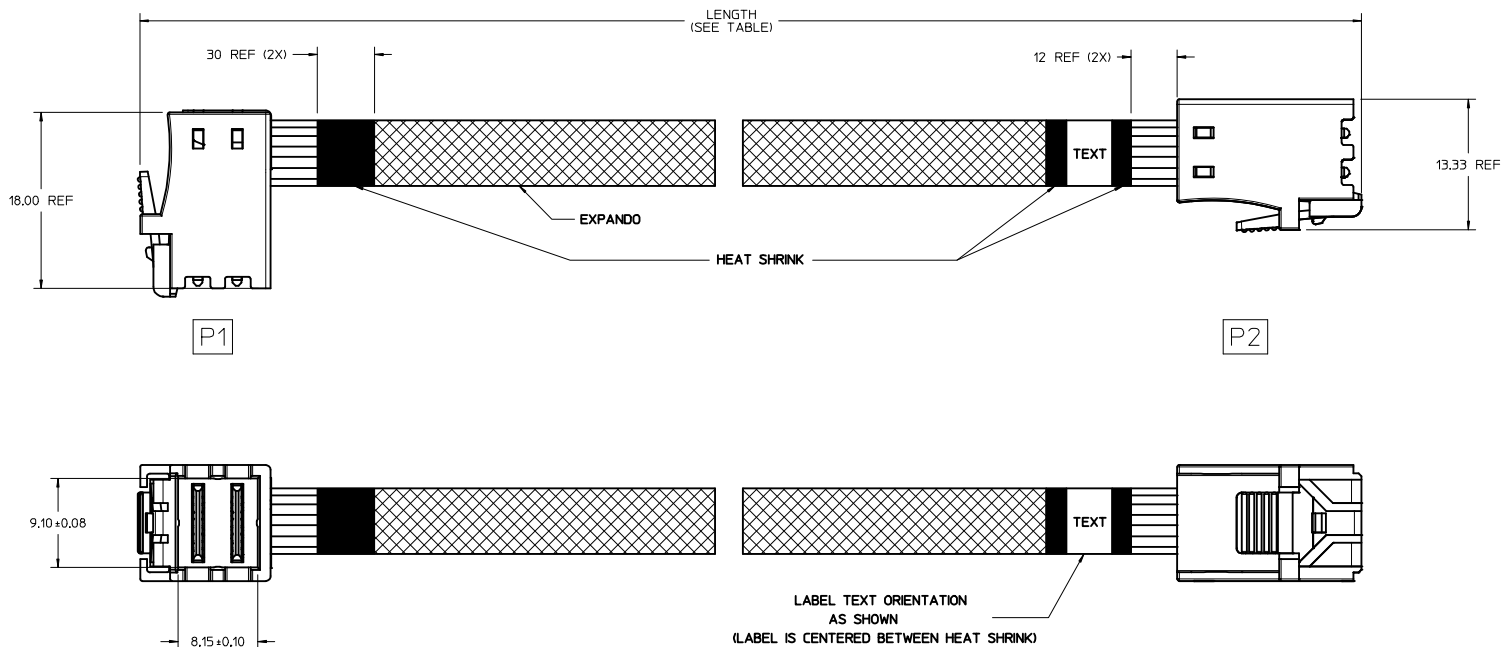
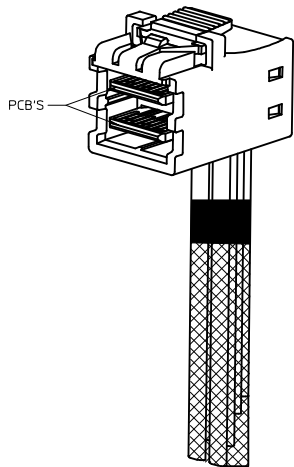
**LABEL DETAIL**



MOLEX PART NUMBER (SEE P/N TABLE)  
 MANUFACTURING LOCATION  
 WW: WEEK OF THE YEAR (0-52)  
 YY: LAST TWO DIGITS OF THE YEAR

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:				<b>molex</b>	
mm		1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 601091				HD 4X RAD TO HD 4X STR	
ANGULAR TOL		± 1.0°		DRWN: HLIN24 2017/09/12					
4 PLACES		±		CHK'D: VPENG01 2018/07/11					
3 PLACES		±		APPR: VPENG01 2018/07/11				PRODUCT CUSTOMER DRAWING	
2 PLACES		± 0.13		INITIAL REVISION:				DOCUMENT NUMBER	
1 PLACE		± 0.25		DRWN: HLIN24 2017/09/12				1001710100	
0 PLACES		±		APPR: VPENG01 2018/07/11				PSD 000 D	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				D-SIZE		100171		CUSTOMER	
								GENERAL MARKET	
								SHEET NUMBER	
								3 OF 4	





MOLEX P/N	AWG	LENGTH (M)	TOLERANCE (±mm)	DESCRIPTION	PINOUT
1001710100	30	0.152	10	CTRL TO BP	1
1001710101	30	0.300	10	CTRL TO BP	1
1001710102	30	0.500	10	CTRL TO BP	1
1001710103	30	0.600	10	CTRL TO BP	1
1001710104	30	1.000	15	CTRL TO BP	1
1001710200	30	0.152	10	CTRL TO CTRL	2
1001710201	30	0.300	10	CTRL TO CTRL	2
1001710202	30	0.500	10	CTRL TO CTRL	2
1001710203	30	0.600	10	CTRL TO CTRL	2
1001710204	30	1.000	15	CTRL TO CTRL	2

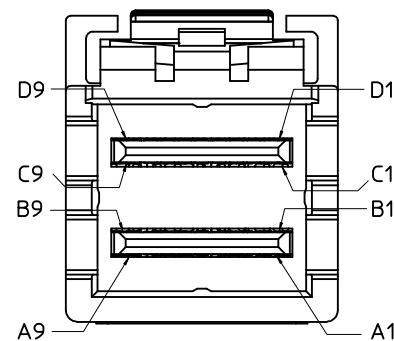
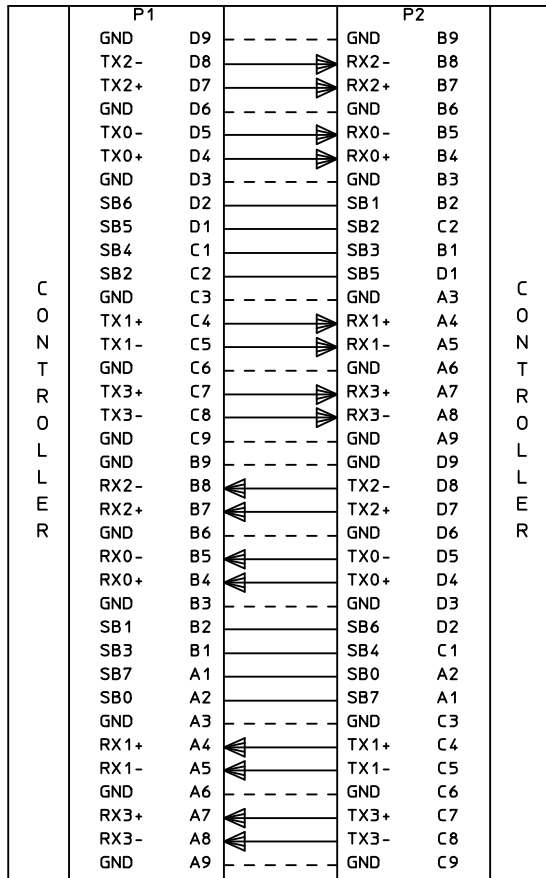
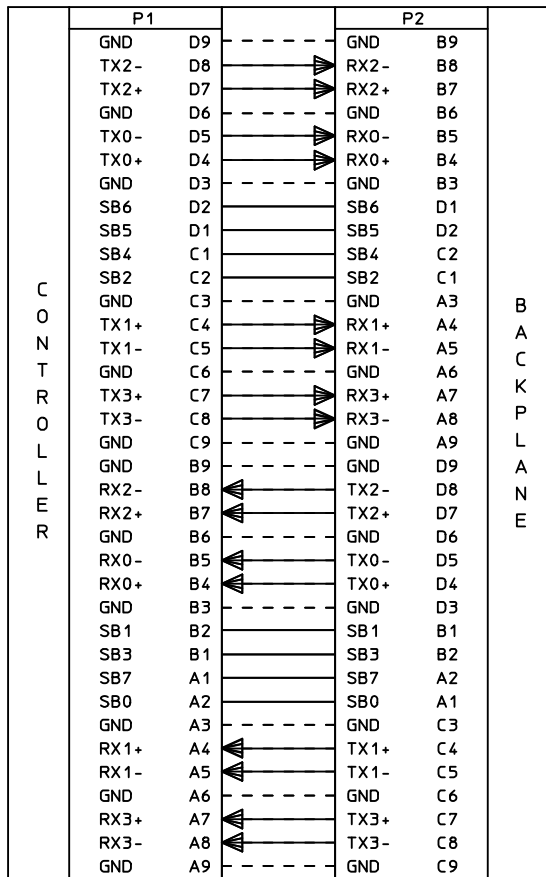
NOTES:

- MATERIAL:
  - HOUSING - 30% GLASS FILLED 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

REVISE PINOUT IEC NO. CPG2015-5096 DRAWN BY DRWNSYTSMA 2014/06/17 CHKDCHIRSCHY 2015/05/28 APPR:CHIRSCHY 2015/06/01 DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	∇=0 ∇=0 ∇=0	4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.13 ±--- 1 PLACE ±0.25 ±--- 0 PLACE ±--- ±---	mm INCH ANGULAR ± 1° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MM ONLY DRAWN BY DATE TPRATT 2014/02/17 CHECKED BY DATE PSYTSMA 2014/02/17 APPROVED BY DATE CHIRSCHY 2014/03/21	4:1	METRIC
SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SEE P/N TABLE			SHEET NO. 1 OF 3

PINOUT 1

PINOUT 2

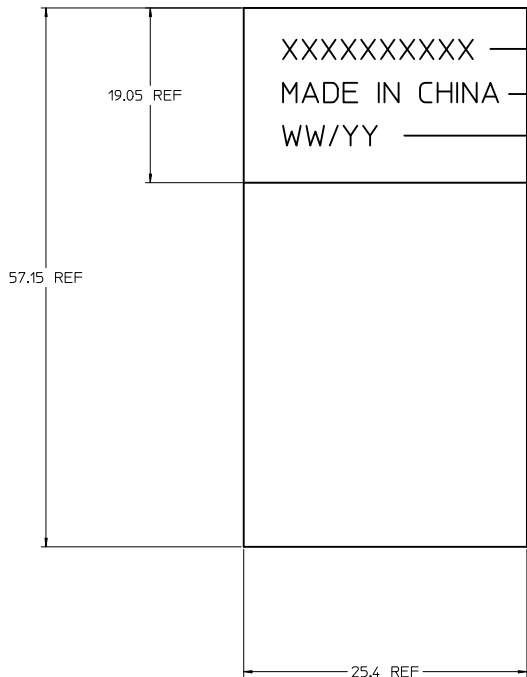


LEGEND:  
 ---- = THRU LINES  
 ▸ = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS

UPDATE PINOUT EC NO: CPG2015-5096 DRAWN BY: PSYTSMA 2014/06/17 CHECKED BY: CHYKCHIRSCHY 2015/05/28 APPR: CHIRSCHY 2015/06/01	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	4:1	METRIC	☉
	▽=0	4 PLACES ± --- ± ---	DRAWN BY: TPRATT DATE: 2014/02/17	TITLE: 4X INT. HD SHORT BODY RIGHT ANGLE DOWN TO STR CABLE ASSY 100 OHM		
	▽=0	3 PLACES ± --- ± ---	CHECKED BY: PSYTSMA DATE: 2014/02/17	<b>molex</b> MATERIAL NO. DOCUMENT NO. SD-100171-0100 SHEET NO. 2 OF 3		
▽=0	2 PLACES ± 0.13 ± ---	APPROVED BY: CHIRSCHY DATE: 2014/03/21				
ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

**LABEL DETAIL**



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

UPDATE PINOUT IEC NO: CPG2015-5096 DRAWN BY: PSYTMA 2014/06/17 CHECKED BY: CHYKCHIRSCHY 2015/05/28 APPR: CHIRSCHY 2015/06/01	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>4:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
		4 PLACES ± mm ± INCH 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± ---	DRAWN BY: TPRAIT 2014/02/17 CHECKED BY: PSYTMA 2014/02/17 APPROVED BY: CHIRSCHY 2014/03/21	TITLE <b>4X INT. HD SHORT BODY                  RIGHT ANGLE DOWN TO                  STR CABLE ASSY 100 OHM</b>		MATERIAL NO. <b>SEE P/N TABLE</b>	DOCUMENT NO. <b>SD-100171-0100</b>
ANGLAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1