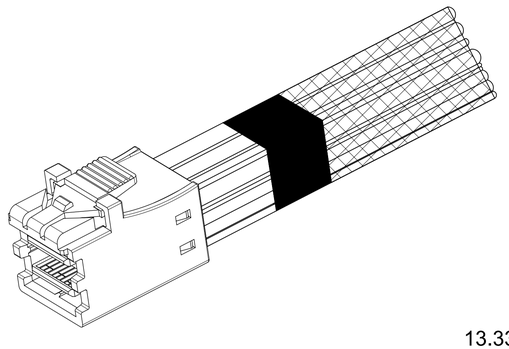
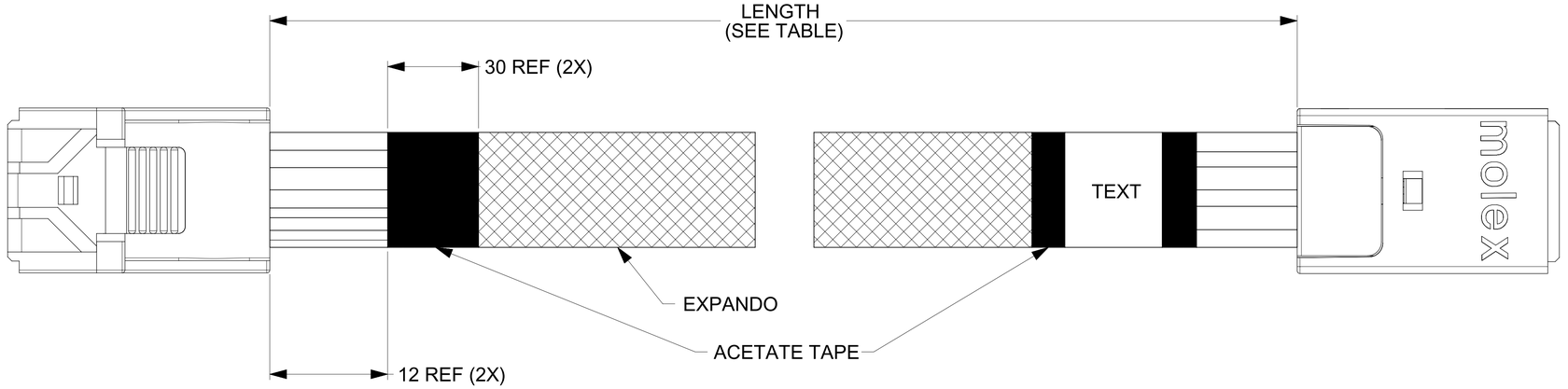
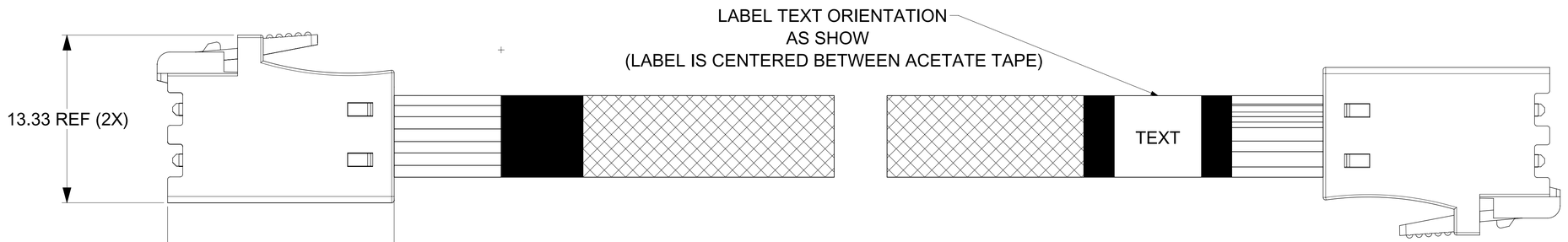






MOLEX P/N	AWG	IMPEDANCE	LENGTH (mm)	TOLERANCE (+-mm)	DESCRIPTION	PINOUT
1002210100	30	85 OHM	152	10	CTRL TO BP	1
1002210101	30	85 OHM	300	10	CTRL TO BP	1
1002210102	30	85 OHM	500	10	CTRL TO BP	1
1002210103	30	85 OHM	600	10	CTRL TO BP	1
1002210104	30	85 OHM	1000	15	CTRL TO BP	1
1002210200	30	85 OHM	152	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
1002210301	30	85 OHM	300	10	PCIE	3
1002210302	30	85 OHM	500	10	PCIE	3
1002210303	30	85 OHM	600	10	PCIE	3
1002210304	30	85 OHM	1000	15	PCIE	3

NOTES:
1. 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)
2. THIS PRODUCT CONFORMS TO THE MECHANICAL DIMENSIONING OF SFF-8643 AND ELECTRICAL PERFORMANCE REQUIREMENTS OF SAS 3.0
3. RoHS COMPLIANT. NO EXEMPTIONS

SYMBOLS	
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E = 0	
EP = 0	
S = 0	
= 0	
C = 0	
= 0	
= 0	
V = 0	

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

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 631623
DRWN: RCHEN34 2020/02/04
CHK'D: VPENG01 2020/02/05
APPR: VPENG01 2020/02/05

INITIAL REVISION:
DRWN: TPRATT 2014/02/26
APPR: CHIRSCHY 2014/03/21

molex

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

PRODUCT CUSTOMER DRAWING

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

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	100221	SEE P/N TABLE	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2020/02/05 11:18:59

PINOUT 1

CONTROLLER P1				BACKPLANE 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

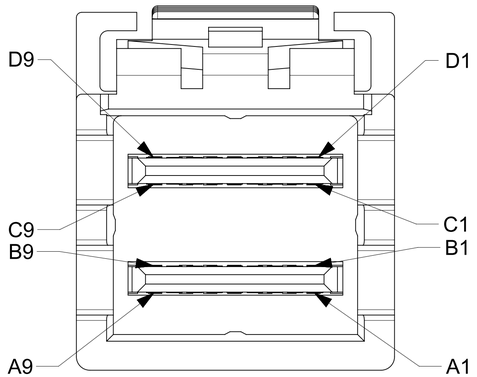
PINOUT 2

CONTROLLER P1				CONTROLLER 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

PINOUT 3

PCIE 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
WAKEn	C1	----------	C2	CWAKEn
RSTn	C2	----------	C1	CPERSTn
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



DOCUMENT STATUS	P1	RELEASE DATE	2020/02/05 11:18:59

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▽G = 0

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DIMENSION UNITS: mm
SCALE: 20:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 1.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 631623
DRWN: RCHEN34 2020/02/04
CHK'D: VPENG01 2020/02/05
APPR: VPENG01 2020/02/05

INITIAL REVISION:
DRWN: TPRATT 2014/02/26
APPR: CHIRSCHY 2014/03/21

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 100221

molex

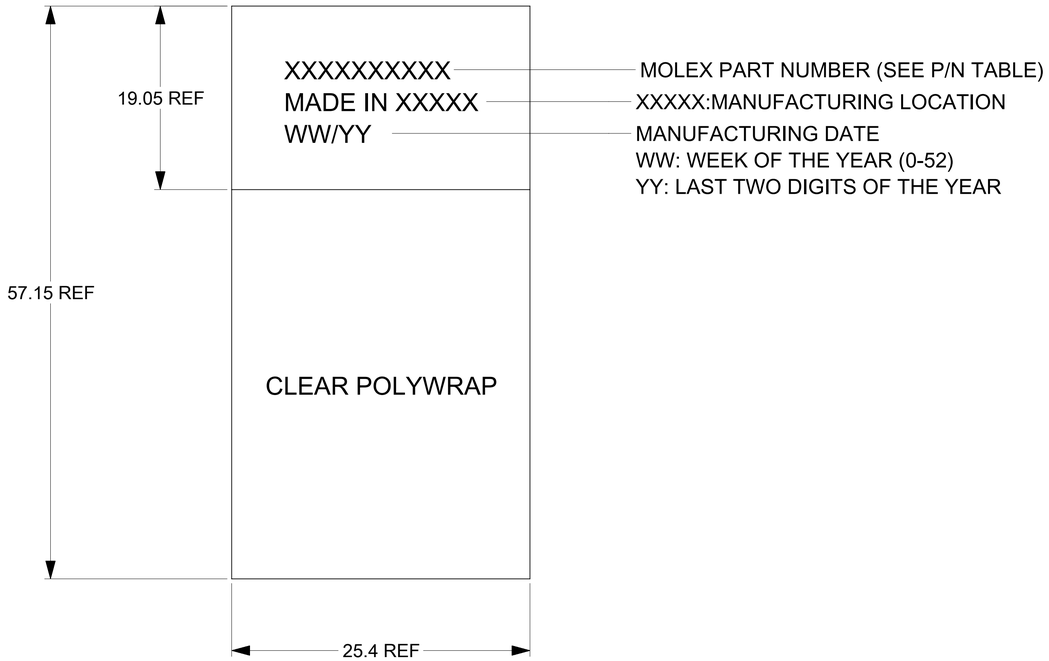
4X INT. HD SHORT
STR TO STR CBL ASSY 85 OHM

PRODUCT CUSTOMER DRAWING

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

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N TABLE	GENERAL MARKET	2 OF 3

LABEL DETAIL



MOLEX PART NUMBER (SEE P/N TABLE)

XXXXX:MANUFACTURING LOCATION

MANUFACTURING DATE
WW: WEEK OF THE YEAR (0-52)
YY: LAST TWO DIGITS OF THE YEAR

DOCUMENT STATUS	P1	RELEASE DATE	2020/02/05 11:18:59

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FB	= 0
S	= 0
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DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 631623

DRWN:	RCHEN34	2020/02/04
CHK'D:	VPENG01	2020/02/05
APPR:	VPENG01	2020/02/05

INITIAL REVISION:

DRWN:	TPRATT	2014/02/26
APPR:	CHIRSCHY	2014/03/21

molex

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

PRODUCT CUSTOMER DRAWING

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

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	100221	SEE P/N TABLE	GENERAL MARKET	3 OF 3