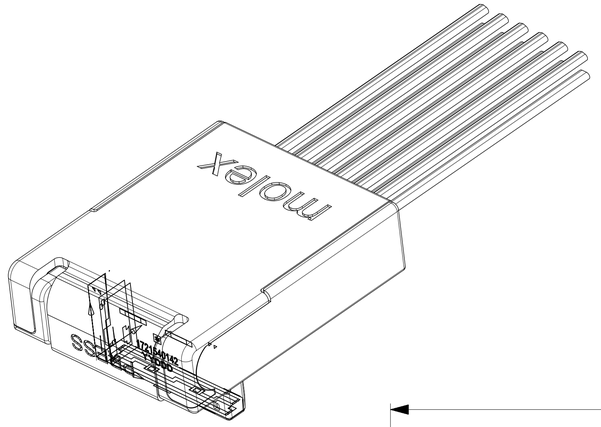
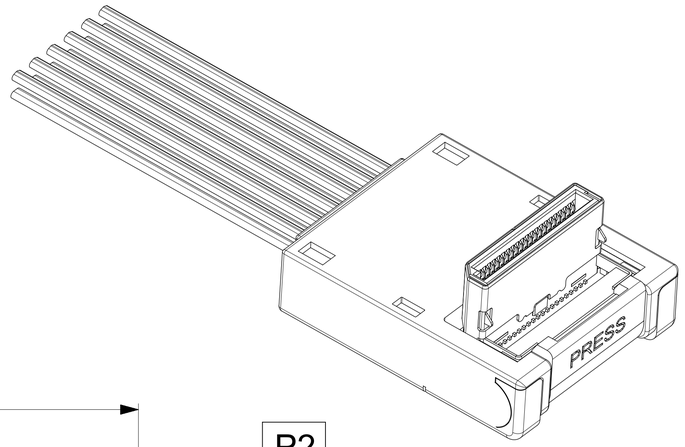
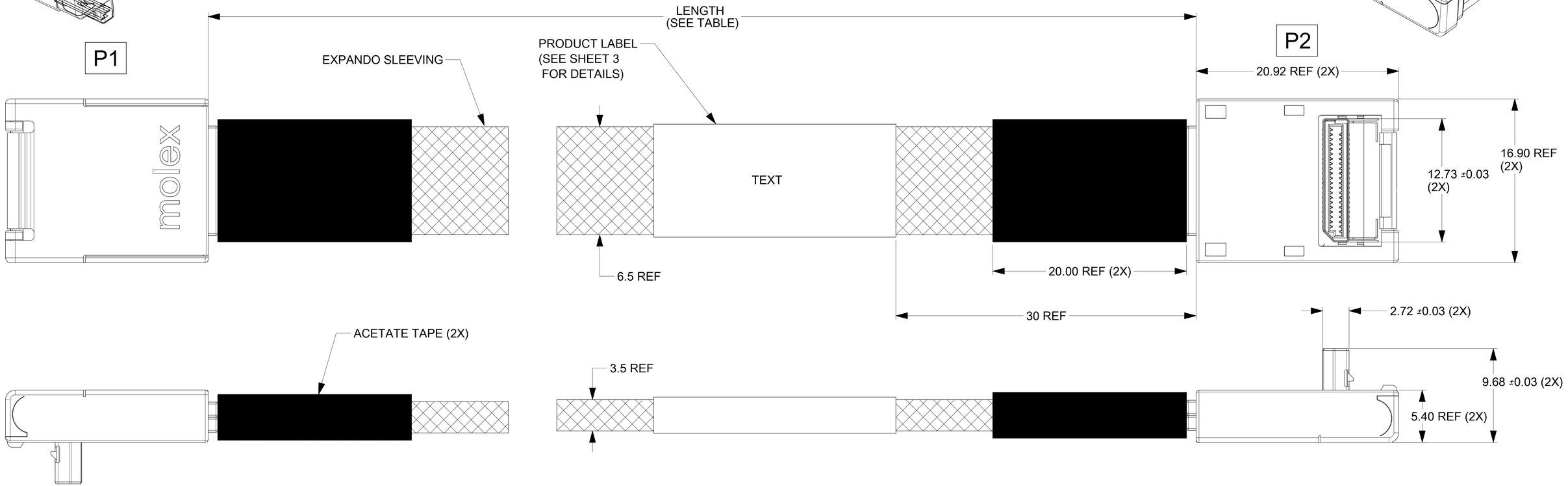






MOLEX P/N	LENGTH	TOLERANCE	RAW CABLE IMPEDANCE	AWG	MECHANICAL SPECIFICATION	ELECTRICAL SPECIFICATION
1001531004	300mm	±10.0mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1001531005	500mm	±10.0mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1001531006	700mm	±10.0mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1001531007	1000mm	±15.0mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1001531008	400mm	±10.0mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0

NOTES:

1. MATERIALS:
   - BACKSHELLS - NYLON, UL94-V0
     COLOR: BLACK
   - LATCHING - STAINLESS STEEL
   - CABLE - TWIN-AX SHIELD: ALUMINIZED POLYESTER FOIL
     - SIGNAL PAIR: SOLID SILVER PLATED COPPER
     - DRAIN: SOLID TINNED COPPER
     - CONFORMS TO VW1
   - PCB - HALOGEN FREE
2. PLUG MATES TO RIGHT-ANGLE AND VERTICAL RECEPTACLE SERIES 173162.
3. RoHS COMPLIANT. NO EXCEPTIONS.

RELEASE STATUS	P1	RELEASE DATE	16.06.2017	15:38:22

QUALITY SYMBOLS: = 0

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EC NO: 118143 2017/06/13
DRWN: RWHIPPLE 2017/06/13
CHK'D: PSYTSMA 2017/06/16
APPR: JALEXANDER

REV: D

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ±	°
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: MM
SCALE: NTS
DRWN BY: RWHIPPLE DATE: 2016/03/14
CHK'D BY: PSYTSMA DATE: 2016/03/15
APPR BY: JCDEMPSEY DATE: 2016/06/03
DRAWING SIZE: D
THIRD ANGLE PROJECTION

molex®

4X NANO-PITCH (RA) TO NANO-PITCH (RA)

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
100153	SEE P/N TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
1001531004	PSD	000	1 OF 3

PINOUT TABLE

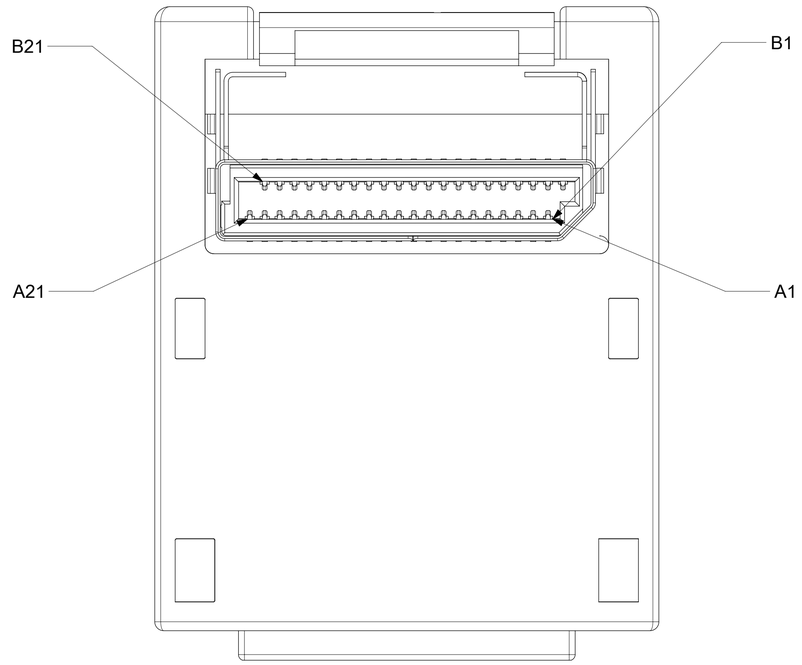
P1		SIGNAL TYPE	WIRE ID	P2	
PIN #	DESCRIPTION			PIN #	DESCRIPTION
A1	NO CONNECT	NC	NO WIRE	B1	NO CONNECT
A2	GROUND	----	TWINAX1	B2	GROUND
A3	PERp0	<---	TWINAX1	B3	PETp0
A4	PERn0	<---	TWINAX1	B4	PETn0
A5	GROUND	----	TWINAX2	B5	GROUND
A6	PERp1	<---	TWINAX2	B6	PETp1
A7	PERn1	<---	TWINAX2	B7	PETn1
A8	GROUND	----	TWINAX3	B8	GROUND
A9	BP_TYPE	<---	TWINAX3	B9	BP_TYPE
A10	CWAKE#	<-->	TWINAX3	B10	CWAKE#
A11	GROUND	NC	NO WIRE	B11	GROUND
A12	VSP+	--->	TWINAX4	B12	VSP+
A13	VSP-	--->	TWINAX4	B13	VSP-
A14	GROUND	----	TWINAX4	B14	GROUND
A15	PERp2	<---	TWINAX5	B15	PETp2
A16	PERn2	<---	TWINAX5	B16	PETn2
A17	GROUND	----	TWINAX5	B17	GROUND
A18	PERp3	<---	TWINAX6	B18	PETp3
A19	PERn3	<---	TWINAX6	B19	PETn3
A20	GROUND	----	TWINAX6	B20	GROUND
A21	NO CONNECT	NC	NO WIRE	B21	NO CONNECT
B1	NO CONNECT	NC	NO WIRE	A1	NO CONNECT
B2	GROUND	----	TWINAX7	A2	GROUND
B3	PETp0	--->	TWINAX7	A3	PERp0
B4	PETn0	--->	TWINAX7	A4	PERn0
B5	GROUND	----	TWINAX8	A5	GROUND
B6	PETp1	--->	TWINAX8	A6	PERp1
B7	PETn1	--->	TWINAX8	A7	PERn1
B8	GROUND	----	TWINAX9	A8	GROUND
B9	2-WIRE CLOCK	<-->	TWINAX9	A9	2-WIRE CLOCK
B10	2-WIRE DATA	<-->	TWINAX9	A10	2-WIRE DATA
B11	GROUND	NC	NO WIRE	A11	GROUND
B12	PERST#	<-->	TWINAX10	A12	PERST#
B13	CPRSNT#	<-->	TWINAX10	A13	CPRSNT#
B14	GROUND	----	TWINAX10	A14	GROUND
B15	PETp2	--->	TWINAX11	A15	PERp2
B16	PETn2	--->	TWINAX11	A16	PERn2
B17	GROUND	----	TWINAX11	A17	GROUND
B18	PETp3	--->	TWINAX12	A18	PERp3
B19	PETn3	--->	TWINAX12	A19	PERn3
B20	GROUND	----	TWINAX12	A20	GROUND
B21	NO CONNECT	NC	NO WIRE	A21	NO CONNECT

LEGEND

---- = THRU LINE
---> = TRANSMIT TO RECEIVE ON HIGH SPEED LINE
<--> = SIDEBAND
NC = NOT CONNECTED

NOTE: CONNECTION DETERMINED BY PIN #. DESCRIPTION FOR REFERENCE ONLY.

P1 & P2



VIEW FROM MATING END OF CONNECTOR

QUALITY SYMBOLS
= 0
= 0
= 0
= 0
= 0
= 0
= 0
= 0

EC NO: 118143
DRWN: RWHIPPLE 2017/06/13
CHK'D: PSYTSMA 2017/06/13
APPR: JALEXANDER 2017/06/16

REV: D

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: MM
SCALE: NTS
DRWN BY: RWHIPPLE DATE: 2016/03/14
CHK'D BY: PSYTSMA DATE: 2016/03/15
APPR BY: JCDEMPSEY DATE: 2016/06/03
DRAWING SIZE: D
THIRD ANGLE PROJECTION

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molex®

4X NANO-PITCH (RA) TO NANO-PITCH (RA)

PRODUCT CUSTOMER DRAWING

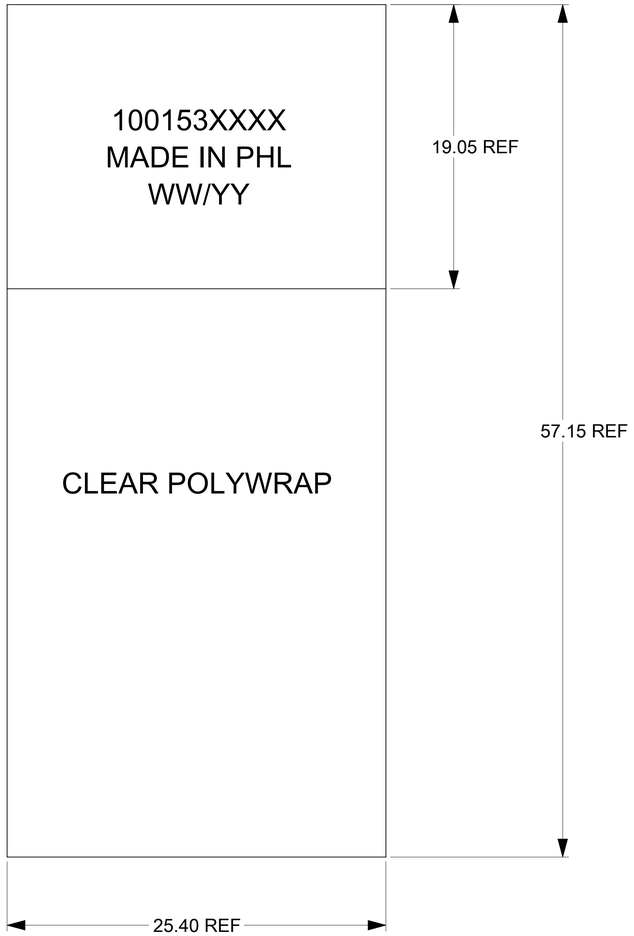
SERIES	MATERIAL NUMBER	CUSTOMER
100153	SEE P/N TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
1001531004	PSD	000	2 OF 3

RELEASE STATUS	P1	RELEASE DATE	16.06.2017 15:38:22

LABEL DETAIL

MOLEX P/N------>
MANUFACTURING LOCATION------>
MANUFACTURE DATE------>
WW: WEEK OF YEAR
YY: LAST TWO DIGITS OF YEAR



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

RELEASE STATUS | P1 | RELEASE DATE | 16.06.2017 15:38:22

QUALITY SYMBOLS
FA = 0
FE = 0
FD = 0
= 0
C = 0
= 0
= 0
C = 0

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EC NO: 118143 2017/06/13
DRWN: RWHIPPLE 2017/06/13
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4X NANO-PITCH (RA) TO NANO-PITCH (RA)

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
100153	SEE P/N TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
1001531004	PSD	000	3 OF 3