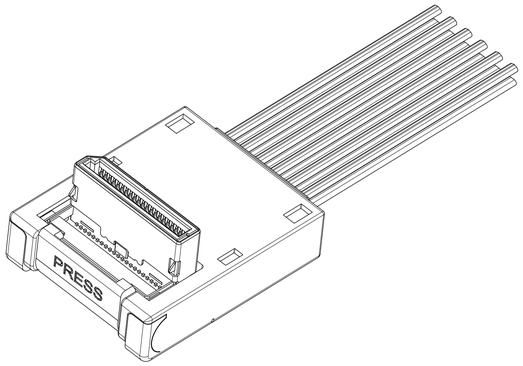
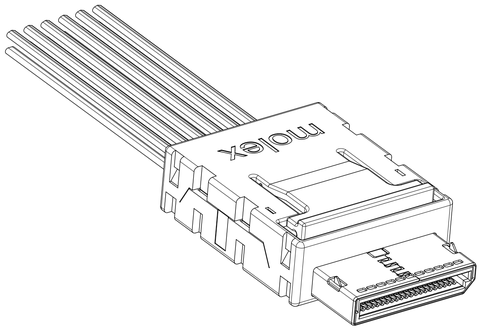
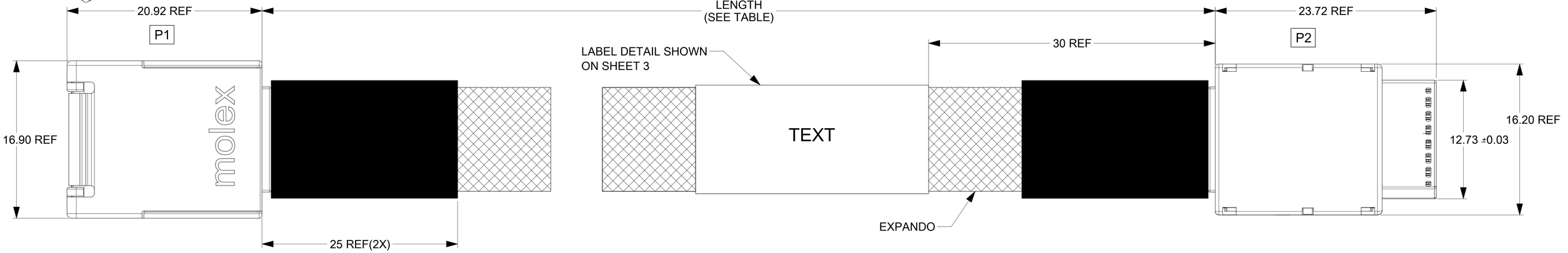








MOLEX P/N	LENGTH	TOLERANCE	TWINAX CABLE		MECHANICAL SPECIFICATION	ELECTRICAL SPECIFICATION
			IMPEDANCE	AWG		
1001530994	.17M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0 EXCEPT RETURN LOSS AND FITTED IL
1001530995	.19M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0 EXCEPT RETURN LOSS AND FITTED IL
1001530996	.21M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0 EXCEPT RETURN LOSS AND FITTED IL
1001530997	.29M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0 EXCEPT RETURN LOSS AND FITTED IL
1001530998	.23M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0 EXCEPT RETURN LOSS AND FITTED IL
1001530999	.35M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1001531000	.3M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1001531001	.5M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1001531002	.7M	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1001531003	1.0M	±15mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0

NOTES:

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

RELEASE STATUS		RELEASE DATE	

QUALITY SYMBOLS: A = 0, E = 0, D = 0, ▼ = 0, C = 0, ☒ = 0, ■ = 0, ▽ = 0

UPDATE DRAWING TITLE
EC NO: 168788 2017/11/23
DRWN: KBASAPPAKORA 2017/11/29
CHK'D: KBASAPPAKORA 2017/11/30
APPR: RHSU01
REV: E

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: TPRATT DATE: 2015/09/16
CHK'D BY: MSTRACK DATE: 2016/10/13
APPR BY: CHIRSCHY DATE: 2016/10/14
DRAWING SIZE: D
THIRD ANGLE PROJECTION

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

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NPIO R/A TO NPIO STR
PASSIVE CABLE ASSEMBLY

PRODUCT CUSTOMER DRAWING

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

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-100153-1000	PSD	000	1 OF 3

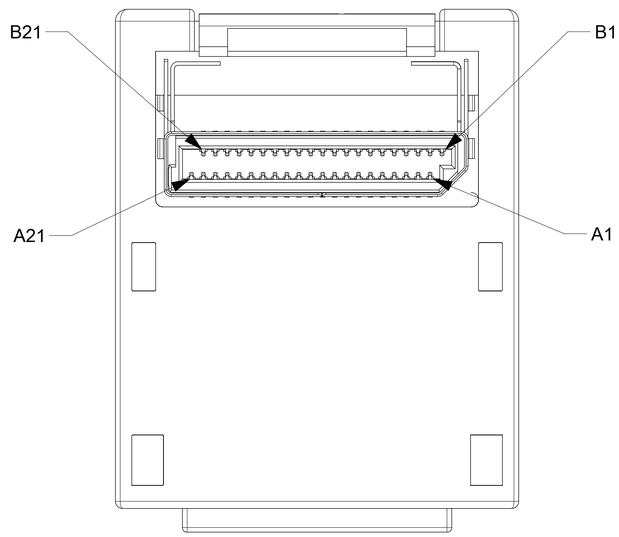
PINOUT TABLE

P1		SIGNAL TYPE	WIRE ID	AWG	P2	
PIN #	DESCRIPTION				PIN #	DESCRIPTION
A1	NO CONNECT	NC	NO WIRE		B1	NO CONNECT
A2	GROUND	----	TWINAX1	34	B2	GROUND
A3	PERp0	<---	TWINAX1	34	B3	PETp0
A4	PERn0	<---	TWINAX1	34	B4	PETn0
A5	GROUND	----	TWINAX2	34	B5	GROUND
A6	PERp1	<---	TWINAX2	34	B6	PETp1
A7	PERn1	<---	TWINAX2	34	B7	PETn1
A8	GROUND	----	TWINAX3	34	B8	GROUND
A9	BP_TYPE	<---	TWINAX3	34	B9	BP_TYPE
A10	CWAKE#	<---	TWINAX3	34	B10	CWAKE#
A11	GROUND	NC	NO WIRE		B11	GROUND
A12	VSP+	<---	TWINAX4	34	B12	VSP+
A13	VSP-	<---	TWINAX4	34	B13	VSP-
A14	GROUND	----	TWINAX4	34	B14	GROUND
A15	PERp2	<---	TWINAX5	34	B15	PETp2
A16	PERn2	<---	TWINAX5	34	B16	PETn2
A17	GROUND	----	TWINAX5	34	B17	GROUND
A18	PERp3	<---	TWINAX6	34	B18	PETp3
A19	PERn3	<---	TWINAX6	34	B19	PETn3
A20	GROUND	----	TWINAX6	34	B20	GROUND
A21	NO CONNECT	NC	NO WIRE		B21	NO CONNECT
B1	NO CONNECT	NC	NO WIRE		A1	NO CONNECT
B2	GROUND	----	TWINAX7	34	A2	GROUND
B3	PETp0	--->	TWINAX7	34	A3	PERp0
B4	PETn0	--->	TWINAX7	34	A4	PERn0
B5	GROUND	----	TWINAX8	34	A5	GROUND
B6	PETp1	--->	TWINAX8	34	A6	PERp1
B7	PETn1	--->	TWINAX8	34	A7	PERn1
B8	GROUND	----	TWINAX9	34	A8	GROUND
B9	2-WIRE CLOCK	--->	TWINAX9	34	A9	2-WIRE CLOCK
B10	2-WIRE DATA	--->	TWINAX9	34	A10	2-WIRE DATA
B11	GROUND	NC	NO WIRE		A11	GROUND
B12	PERST#	--->	TWINAX10	34	A12	PERST#
B13	CPRSNT#	--->	TWINAX10	34	A13	CPRSNT#
B14	GROUND	----	TWINAX10	34	A14	GROUND
B15	PETp2	--->	TWINAX11	34	A15	PERp2
B16	PETn2	--->	TWINAX11	34	A16	PERn2
B17	GROUND	----	TWINAX11	34	A17	GROUND
B18	PETp3	--->	TWINAX12	34	A18	PERp3
B19	PETn3	--->	TWINAX12	34	A19	PERn3
B20	GROUND	----	TWINAX12	34	A20	GROUND
B21	NO CONNECT	NC	NO WIRE		A21	NO CONNECT
TOOL ID: N-NNSB					TOOLID: N-NNSB	

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

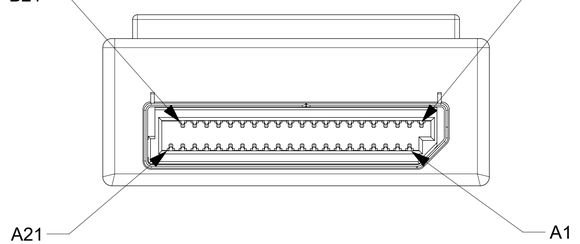
NOTE: CONNECTION DETERMINED BY PIN #. DESCRIPTION FOR REFERENCE ONLY.

P1



VIEW FROM MATING END OF CONNECTOR

P2



VIEW FROM MATING END OF CONNECTOR

QUALITY SYMBOLS		UPDATE DRAWING TITLE		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE
A = 0		EC NO:	168788	ANGULAR TOL ±	°	mm	NTS
E = 0		DRWN:	KBASAPPAKORA 2017/11/23	4 PLACES	±	DRWN BY: TPRATT	DATE: 2015/09/16
F = 0		CHK'D:	KBASAPPAKORA 2017/11/29	3 PLACES	±	CHK'D BY: MSTRACK	DATE: 2016/10/13
= 0		APPR:	RHSU01 2017/11/30	2 PLACES	±	APPR BY: CHIRSCHY	DATE: 2016/10/14
C = 0		REV		1 PLACE	±	DRAWING SIZE: D	THIRD ANGLE PROJECTION
= 0		E		0 PLACES	±		
= 0				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
= 0							

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NPIO R/A TO NPIO STR
PASSIVE CABLE ASSEMBLY

PRODUCT CUSTOMER DRAWING

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

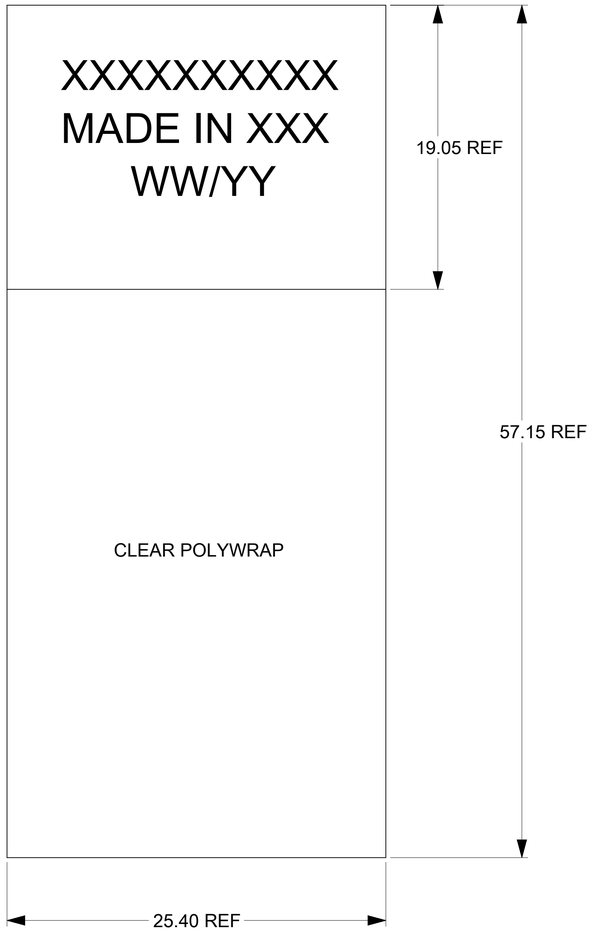
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-100153-1000	PSD	000	2 OF 3

RELEASE STATUS	P1	RELEASE DATE	30.11.2017 03:02:03

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DO NOT SCALE DRAWING
DATE: 2016/10/14

LABEL DETAIL

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



QUALITY SYMBOLS	
FA	= 0
FC	= 0
FB	= 0
	= 0
C	= 0
	= 0
	= 0
	= 0

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

UPDATE DRAWING TITLE 2017/11/23
EC NO: 168788 2017/11/29
DRWN: KBASAPPAKORA 2017/11/30
CHK'D: KBASAPPAKORA
APPR: RHSU01

REV: E

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: TPRATT DATE: 2015/09/16
CHK'D BY: MSTRACK DATE: 2016/10/13
APPR BY: CHIRSCHY DATE: 2016/10/14
DRAWING SIZE: D
THIRD ANGLE PROJECTION

molex®

NPIO R/A TO NPIO STR
PASSIVE CABLE ASSEMBLY

PRODUCT CUSTOMER DRAWING

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

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-100153-1000	PSD	000	3 OF 3

RELEASE STATUS: P1 | RELEASE DATE: 30.11.2017 03:02:03

TEMPLATE created by pro/E
TEMPLATE REV: 1.0
DATE: 2016/10/14