

MOLEX P/N	LENGTH	TOLERANCE	RAW CABLE IMPEDANCE	AWG	MECHANICAL SPECIFICATION	ELECTRICAL SPECIFICATION
1004361000	300mm	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1004361001	500mm	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1004361002	1000mm	±15mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1004361003	400mm	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
1004361004	150mm	±10mm	85 ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0 EXCEPT RETURN LOSS

- NOTES:
- MATERIALS:
 - BACKSHELLS - GLASS FILLED LCP, 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
 - PLUG MATES TO RIGHT - ANGLE RECEPTACLE SERIES 171982 AND VERTICAL RECEPTACLE SERIES 171983
 - RoHS COMPLIANT. NO EXEMPTIONS

QUALITY SYMBOLS F = 0 E = 0 C = 0 D = 0 A = 0 B = 0 G = 0 H = 0 I = 0 J = 0 K = 0 L = 0 M = 0 N = 0 O = 0 P = 0 Q = 0 R = 0 S = 0 T = 0 U = 0 V = 0 W = 0 X = 0 Y = 0 Z = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	EC NO: 110072 DRWN: JWALLACE01 CHKD: BCHEN06 REV APPR: CHRISCHY	2016/11/03 2016/11/02 2016/11/10	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	DIMENSION UNITS: MM SCALE: 5:1 DRWN BY: TPRATT DATE: 2016/08/16 CHKD BY: DATE APPR BY: DATE	SERIES: 100436 MATERIAL NUMBER: SEE P/N TABLE CUSTOMER: GENERAL MARKET	<p>NANOPITCH TO NANOPITCH 4X, INT, STRAIGHT ACTIVE LATCH</p> <p>PRODUCT CUSTOMER DRAWING</p>				
	DRAWING SIZE: D THIRD ANGLE PROJECTION	DOCUMENT NUMBER: 1004361000 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 1 OF 3								
	RELEASE STATUS: P1 RELEASE DATE: 10.11.2016 21:21:09									

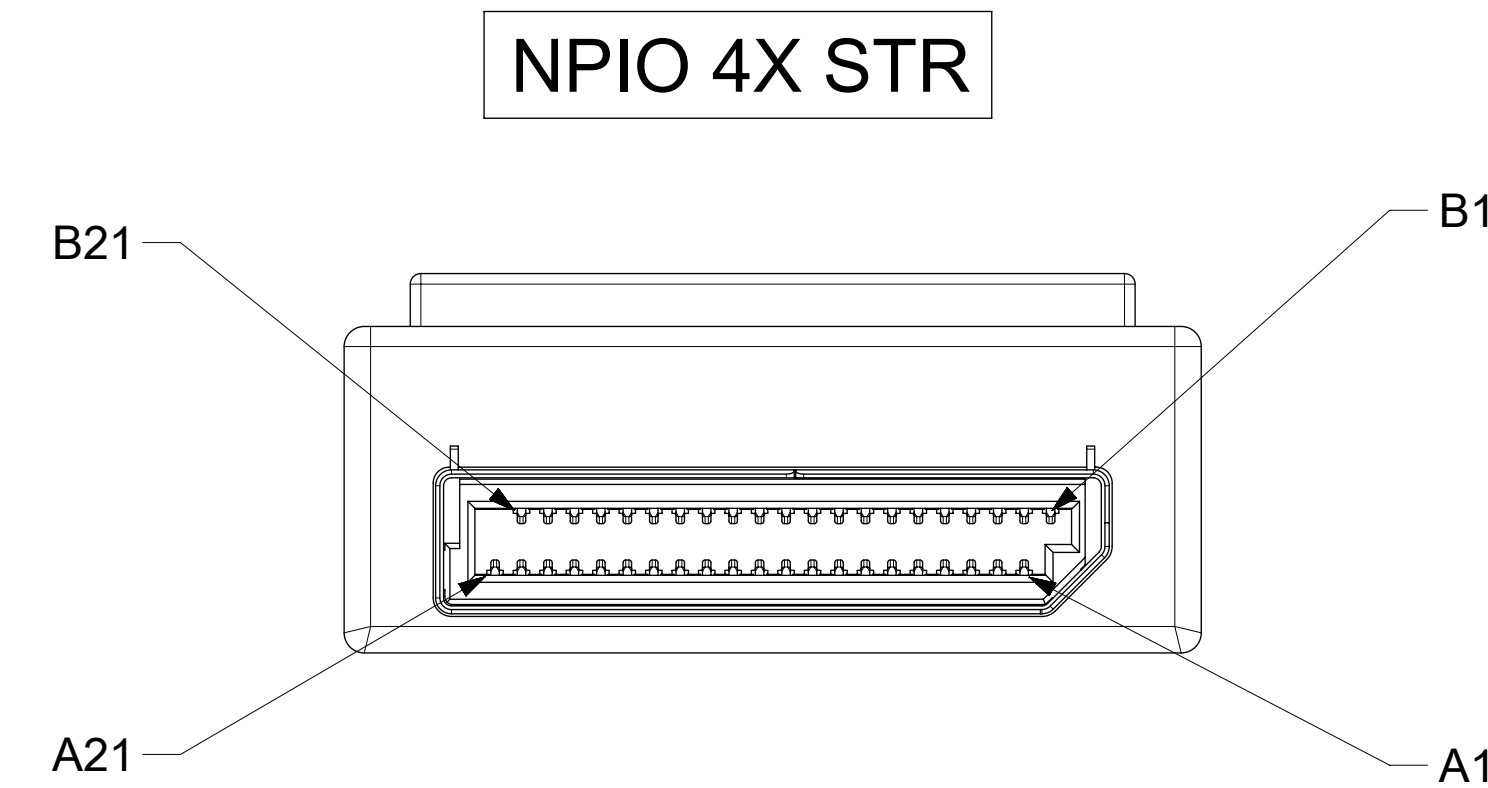
PINOUT TABLE

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.

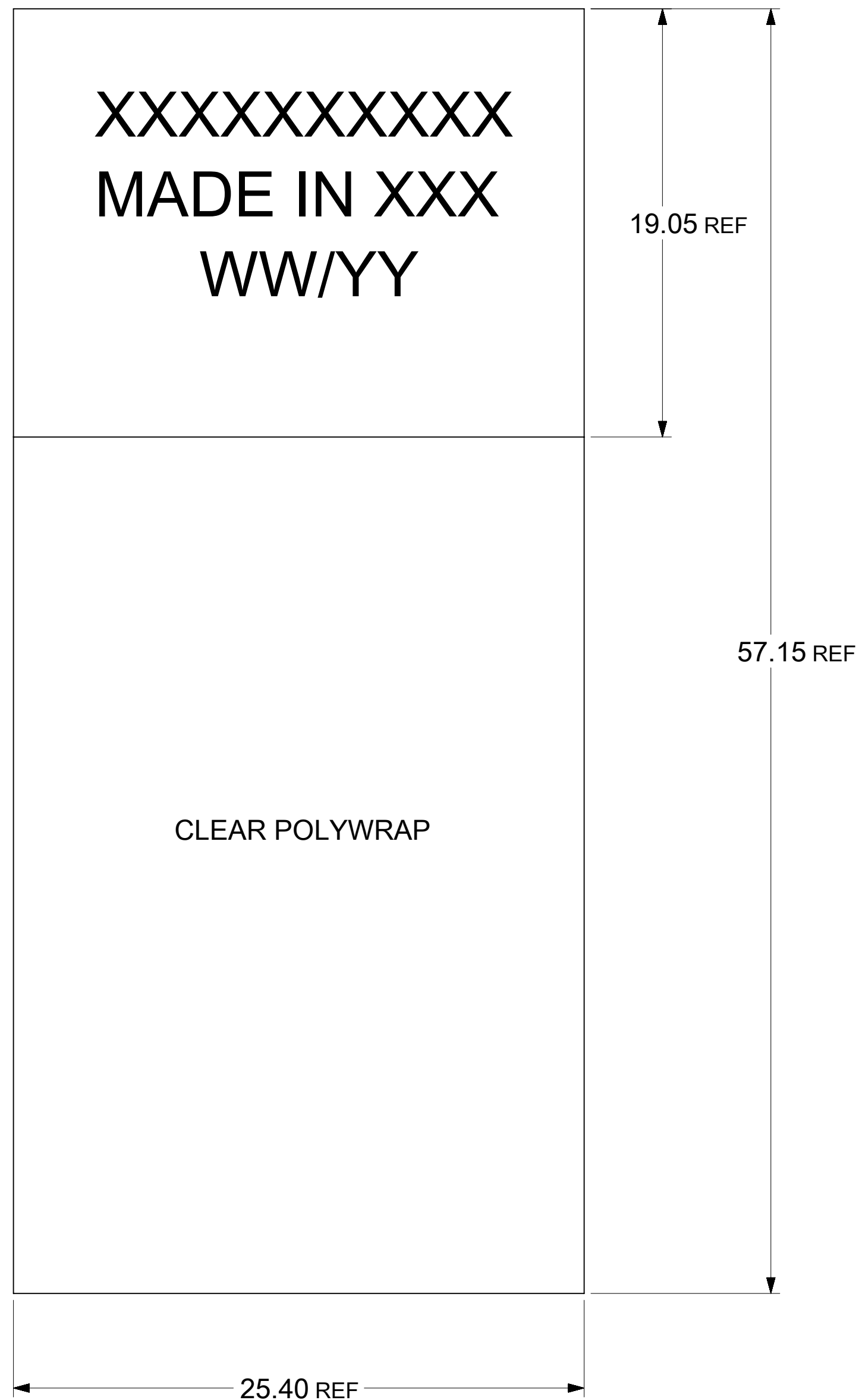


VIEW FROM MATING END OF CONNECTOR

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	EC NO: 110072 DRWN: JWALLACE01 CHKD: BCHOEN06 REV APPR: CHIRSCHY	2016/11/02 2016/11/02 2016/11/10	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ±	DIMENSION UNITS MM	SCALE 10:1	molex					
	DRWN BY DATE TPRATT 2016/08/16		CHKD BY DATE		APPR BY DATE		NANOPITCH TO NANOPITCH 4X, INT, STRAIGHT ACTIVE LATCH				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE D	THIRD ANGLE PROJECTION	PRODUCT CUSTOMER DRAWING		SERIES 100436	MATERIAL NUMBER SEE P/N TABLE	CUSTOMER GENERAL MARKET		
DOCUMENT NUMBER 1004361000		DOC TYPE PSD	DOC PART 000	SHEET NUMBER 2 OF 3							

LABEL DETAIL

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



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	DRWN: JWALLACE01	2016/11/02	ANGULAR TOL ± 1.0 °		MM	1:1					
	CHKD: BCHEN06	2016/11/10	4 PLACES ±	TPRATT		DATE	NANOPITCH TO NANOPITCH 4X, INT, STRAIGHT ACTIVE LATCH				
	REV APPR: CHRISCHY		3 PLACES ±	CHKD BY		DATE					
			2 PLACES ± 0.13	APPR BY		DATE					
		1 PLACE ± 0.25	DRAWING SIZE		THIRD ANGLE PROJECTION	PRODUCT CUSTOMER DRAWING					
		0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		D	SERIES: 100436 MATERIAL NUMBER: SEE P/N TABLE CUSTOMER: GENERAL MARKET					
						DOCUMENT NUMBER: 1004361000		DOC TYPE: PSD	DOC PART: 000	SHEET NUMBER: 3 OF 3	