

MOLEX DONOR CABLE P/N	LENGTH	TOLERANCE	TWINAX CABLE		MECHANICAL SPECIFICATION	ELECTRICAL SPECIFICATION	NOTES (DONOR CABLE FOR MOLEX FG P/N)
			IMPEDANCE	AWG			
2060618030	1100MM	±10mm	85 Ohms	32	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0	2116122001
2060618031	1460MM	±10mm	85 Ohms	32	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0	2116127101 & 2116127104

NOTES:

1. 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
2. PLUG MATES TO RIGHT - ANGLE RECEPTACLE SERIES 171982 AND VERTICAL RECEPTACLE SERIES 171983
3. RoHS COMPLIANT. NO EXEMPTIONS
4. MINIMUM GAP FROM TAPE TO BACKSHELL IS ACCEPTABLE

DOCUMENT STATUS	P1	RELEASE DATE	2019/11/13 02:43:09

SYMBOLS	
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E =	0
S =	0
=	0
C =	0
=	0
=	0
=	0

DIMENSION UNITS	SCALE
mm	5:1

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

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

CURRENT REV DESC:

EC NO: 627119
DRWN: SMALLESHAPPA 2019/11/07
CHK'D: DSUN15 2019/11/12
APPR: VPENG01 2019/11/13

INITIAL REVISION:
DRWN: THSU 2019/01/15
APPR: VPENG01 2019/01/21

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 206061

molex

NPI0 4X T0 NPIO 4X , DONOR CABLE
FOR FG:2116127101 & 2116122001 & 2116127104

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2060618030	PSD	000	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N TABLE	GENERAL MARKET	1 OF 3

PORMAT: master-fp-prod-2
DATE: 2019/11/13
DATE: 2019/11/13

PINOUT TABLE A

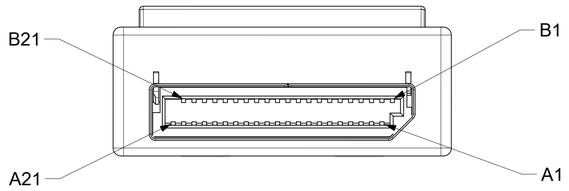
P1		SIGNAL TYPE	WIRE ID	P2	
PIN #	DESCRIPTION			PIN #	DESCRIPTION
A1	NC	NC	NO WIRE	B1	NC
A2	GND	----	TWINAX1	B2	GND
A3	RX0+	<---	TWINAX1	B3	TX0+
A4	RX0-	<---	TWINAX1	B4	TX0-
A5	GND	----	TWINAX2	B5	GND
A6	RX1+	<---	TWINAX2	B6	TX1+
A7	RX1-	<---	TWINAX2	B7	TX1-
A8	GND	----	TWINAX3	B8	GND
A9	SB	<---	TWINAX3	B9	SB
A10	SB	<-->	TWINAX3	B10	SB
A11	GND	NC	NO WIRE	B11	GND
A12	SB	--->	TWINAX4	B12	SB
A13	SB	--->	TWINAX4	B13	SB
A14	GND	----	TWINAX4	B14	GND
A15	RX2+	<---	TWINAX5	B15	TX2+
A16	RX2-	<---	TWINAX5	B16	TX2-
A17	GND	----	TWINAX5	B17	GND
A18	RX3+	<---	TWINAX6	B18	TX3+
A19	RX3-	<---	TWINAX6	B19	TX3-
A20	GND	----	TWINAX6	B20	GND
A21	NC	NC	NO WIRE	B21	NC
B1	NC	NC	NO WIRE	A1	NC
B2	GND	----	TWINAX7	A2	GND
B3	TX0+	--->	TWINAX7	A3	RX0+
B4	TX0-	--->	TWINAX7	A4	RX0-
B5	GND	----	TWINAX8	A5	GND
B6	TX1+	--->	TWINAX8	A6	RX1+
B7	TX1-	--->	TWINAX8	A7	RX1-
B8	GND	----	TWINAX9	A8	GND
B9	SB	<-->	TWINAX9	A9	SB
B10	SB	<-->	TWINAX9	A10	SB
B11	GND	NC	NO WIRE	A11	GND
B12	SB	<-->	TWINAX10	A12	SB
B13	SB	<-->	TWINAX10	A13	SB
B14	GND	----	TWINAX10	A14	GND
B15	TX2+	--->	TWINAX11	A15	RX2+
B16	TX2-	--->	TWINAX11	A16	RX2-
B17	GND	----	TWINAX11	A17	GND
B18	TX3+	--->	TWINAX12	A18	RX3+
B19	TX3-	--->	TWINAX12	A19	RX3-
B20	GND	----	TWINAX12	A20	GND
B21	NC	NC	NO WIRE	A21	NC

LEGEND

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

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

NPIO 4X STR



VIEW FROM MATING END OF CONNECTOR

DOCUMENT STATUS	P1	RELEASE DATE	2019/11/13 02:43:09

SYMBOLS
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= 0
= 0
= 0
= 0
= 0
= 0
= 0

DIMENSION UNITS	SCALE
mm	10:1

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

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DRWN: THSU 2019/01/15
APPR: VPENG01 2019/01/21

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NPI0 4X T0 NPIO 4X , DONOR CABLE
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DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2060618030	PSD	000	C

THIRD ANGLE PROJECTION	DRAWING	SERIES
	D-SIZE	206061

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

REVISION HISTORY			
DATE	REV	DESCRIPTION	ENGINEER
2019/01/15	A	INITIAL RELEASE	KEN HSU
2019/05/09	B	SHEET 1 : D13 : DELETE DONOR CABLE P/N: 2060618032	KEN HSU
2019/11/07	C	SHEET 1: UPDATED THE P1 AND P2 CONNECTORS WITH TWO HOLES ON THE LOWER BACK SHELL	SACHIN M K

SYMBOLS

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= 0
= 0
= 0
= 0
= 0

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DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

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MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/11/13 02:43:09