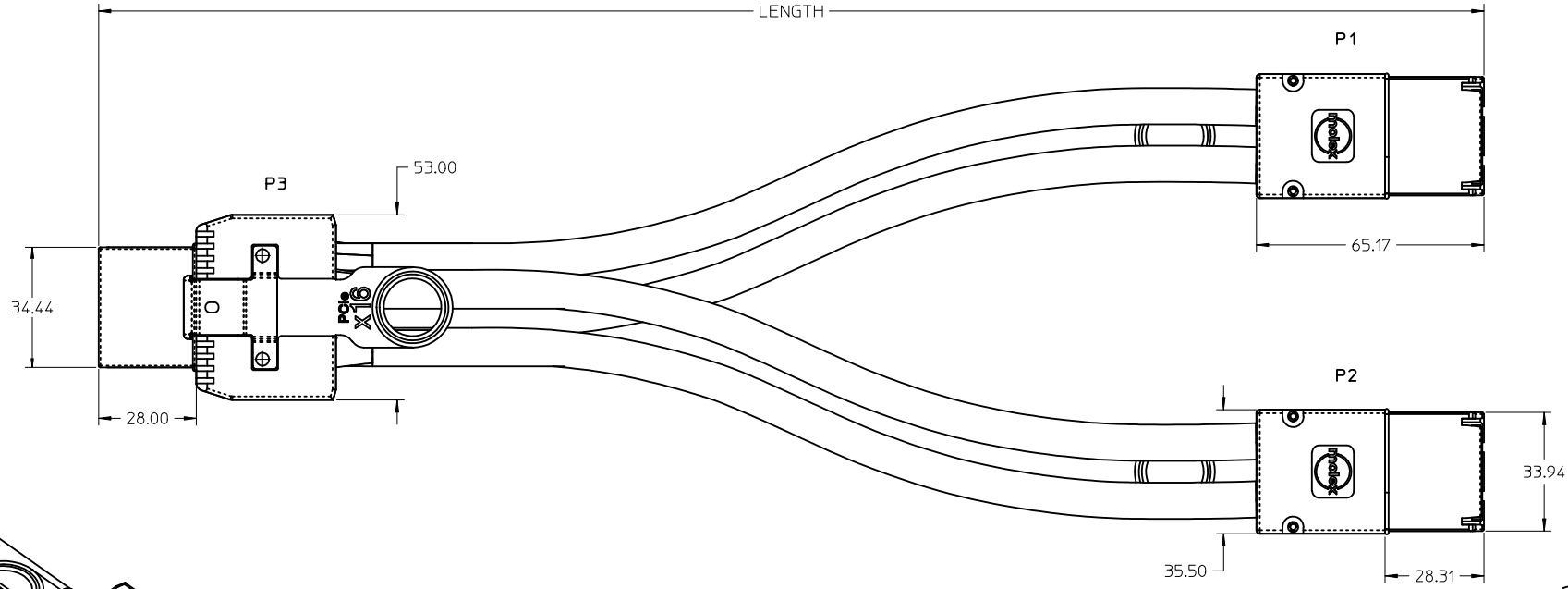
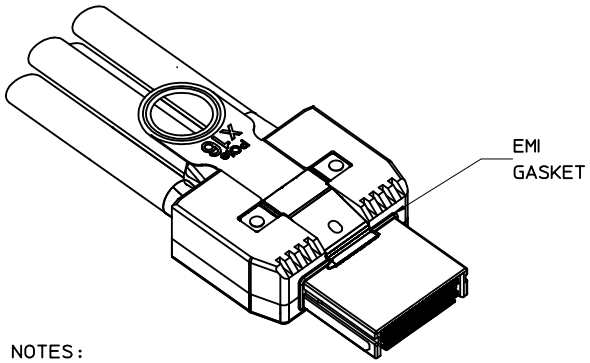
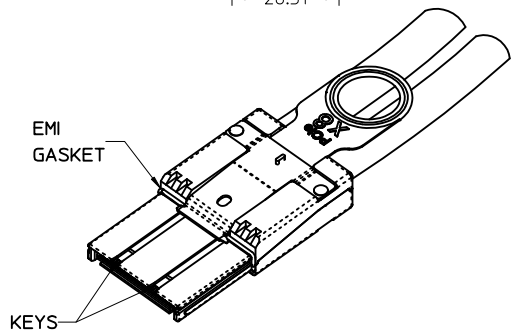






MOLEX P/N	DESCRIPTION	LENGTH	TOLERANCE	AWG	JACKET RATING
745464180	16X TO (2) 8X PCIe	0.5M	±0.025M	28	VW1
745464181	16X TO (2) 8X PCIe	1M	±0.025M	28	VW1
745464182	16X TO (2) 8X PCIe	2M	±0.025M	28	VW1
745464183	16X TO (2) 8X PCIe	3M	±0.025M	28	VW1



NOTES:
1. MATERIAL=
   BACKSHELLS - ZINC DIECAST
   PULL - NYLON
   CABLE JACKET - SEE TABLE
2. LENGTH AND TOLERANCE - SEE TABLE
3. ELECTRICAL PERFORMANCE PER PCI EXPRESS EXTERNAL CABLING SPEC. REV 1.0
4. X16 PLUG MATES TO RECEPTACLE - EMI GUIDE HOUSING ASSY. 75581-0001 - X8 PLUG MATES TO RECEPTACLE 755860002 AND EMI HOUSING ASSY. 745400100
5. THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC)

iPass™ is a trademark of Molex

REVISED PINOUT
EC NO: USY2011-0258 2010/10/12
DRWN:JERWIN 2010/10/14
CH'KD:KWEBER 2010/10/18
APPR:DDOYE
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

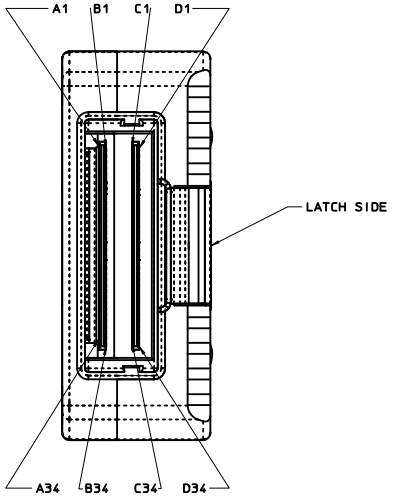
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DRAWN BY	JERWIN	2009/07/08
CHECKED BY	KWEBER	2009/07/08
APPROVED BY	DDOYE	2010/10/18
MATERIAL NO.	SEE TABLE	

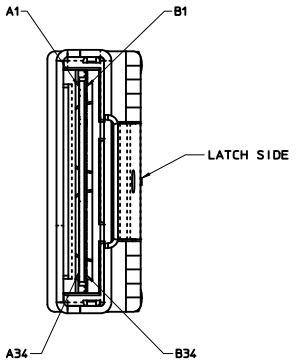
TITLE: I-PASS X16 TO (2)X8 SPLITTER CABLE ASSEMBLY
MOLEX INCORPORATED
DOCUMENT NO. SD-74546-4180
SHEET NO. 1 OF 3
SIZE C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

X16 P3 SIGNAL	PIN		X8 P1 PIN	X8 P1 SIGNAL
GND	B01		A01	GND
PERp0	B02	←	A02	PETp0
PERn0	B03	←	A03	PETn0
GND	B04		A04	GND
PERp1	B05	←	A05	PETp1
PERn1	B06	←	A06	PETn1
GND	B07		A07	GND
PERp2	B08	←	A08	PETp2
PERn2	B09	←	A09	PETn2
GND	B10		A10	GND
PERp3	B11	←	A11	PETp3
PERn3	B12	←	A12	PETn3
GND	B13		A13	GND
uREFCLKp	A19		A14	uREFCLKp
uREFCLKn	A20		A15	uREFCLKn
GND	A18		A16	GND
NC	B14	NC	A17	NC
NC	B34	NC	A18	NC
uSB_RTN	A17		A19	uSB_RTN
uCPRSNT#	B19		A20	uCPRSNT#
uCPWRON	B17		A21	uCPWRON
GND	B21		A22	GND
PERp4	B22	←	A23	PETp4
PERn4	B23	←	A24	PETn4
GND	B24		A25	GND
PERp5	B25	←	A26	PETp5
PERn5	B26	←	A27	PETn5
GND	B27		A28	GND
PERp6	B28	←	A29	PETp6
PERn6	B29	←	A30	PETn6
GND	B30		A31	GND
PERp7	B31	←	A32	PETp7
PERn7	B32	←	A33	PETn7
GND	B33		A34	GND
uCWAKE#	B18		B20	uCWAKE#
uCPERST#	B20		B21	uCPERST#
GND	A01		B01	GND
PETp0	A02	→	B02	PERp0
PETn0	A03	→	B03	PERn0
GND	A04		B04	GND
PETp1	A05	→	B05	PERp1
PETn1	A06	→	B06	PERn1
GND	A07		B07	GND
PETp2	A08	→	B08	PERp2
PETn2	A09	→	B09	PERn2
GND	A10		B10	GND
PETp3	A11	→	B11	PERp3
PETn3	A12	→	B12	PERn3
GND	A13		B13	GND
NC	A14	NC	B14	NC
NC	A15	NC	B15	NC
NC	A16	NC	B16	NC
NC	B15	NC	B17	NC
NC	B16	NC	B18	NC
NC	A34	NC	B19	NC
GND	A21		B22	GND
PETp4	A22	→	B23	PERp4
PETn4	A23	→	B24	PERn4
GND	A24		B25	GND
PETp5	A25	→	B26	PERp5
PETn5	A26	→	B27	PERn5
GND	A27		B28	GND
PETp6	A28	→	B29	PERp6
PETn6	A29	→	B30	PERn6
GND	A30		B31	GND
PETp7	A31	→	B32	PERp7
PETn7	A32	→	B33	PERn7
GND	A33		B34	GND

X16 P3 SIGNAL	PIN		X8 P2 PIN	X8 P2 SIGNAL
GND	D01		A01	GND
PERp8	D02	←	A02	PETp8
PERn8	D03	←	A03	PETn8
GND	D04		A04	GND
PERp9	D05	←	A05	PETp9
PERn9	D06	←	A06	PETn9
GND	D07		A07	GND
PERp10	D08	←	A08	PETp10
PERn10	D09	←	A09	PETn10
GND	D10		A10	GND
PERp11	D11	←	A11	PETp11
PERn11	D12	←	A12	PETn11
GND	D13		A13	GND
dREFCLKp	C19		A14	dREFCLKp
dREFCLKn	C20		A15	dREFCLKn
GND	C18		A16	GND
NC	D14	NC	A17	NC
NC	D34	NC	A18	NC
dSB_RTN	C17		A19	dSB_RTN
dCPRSNT#	D19		A20	dCPRSNT#
dCPWRON	D17		A21	dCPWRON
GND	D21		A22	GND
PERp12	D22	←	A23	PETp12
PERn12	D23	←	A24	PETn12
GND	D24		A25	GND
PERp13	D25	←	A26	PETp13
PERn13	D26	←	A27	PETn13
GND	D27		A28	GND
PERp14	D28	←	A29	PETp14
PERn14	D29	←	A30	PETn14
GND	D30		A31	GND
PERp15	D31	←	A32	PETp15
PERn15	D32	←	A33	PETn15
GND	D33		A34	GND
dCWAKE#	D18		B20	dCWAKE#
dCPERST#	D20		B21	dCPERST#
GND	C01		B01	GND
PETp8	C02	→	B02	PERp0
PETn8	C03	→	B03	PERn0
GND	C04		B04	GND
PETp9	C05	→	B05	PERp9
PETn9	C06	→	B06	PERn9
GND	C07		B07	GND
PETp10	C08	→	B08	PERp10
PETn10	C09	→	B09	PERn10
GND	C10		B10	GND
PETp11	C11	→	B11	PERp11
PETn11	C12	→	B12	PERn11
GND	C13		B13	GND
NC	C14	NC	B14	NC
NC	C15	NC	B15	NC
NC	C16	NC	B16	NC
NC	D15	NC	B17	NC
NC	D16	NC	B18	NC
NC	C34	NC	B19	NC
GND	C21		B22	GND
PETp12	C22	→	B23	PERp12
PETn12	C23	→	B24	PERn12
GND	C24		B25	GND
PETp13	C25	→	B26	PERp13
PETn13	C26	→	B27	PERn13
GND	C27		B28	GND
PETp14	C28	→	B29	PERp14
PETn14	C29	→	B30	PERn14
GND	C30		B31	GND
PETp15	C31	→	B32	PERp15
PETn15	C32	→	B33	PERn15
GND	C33		B34	GND





IPASS™ IS A TRADEMARK OF MOLEX

REVISED PINOUT
EC NO: USY2011-0258 2010/10/12
DRWN: JERWIN 2010/10/14
CHK'D:KWEBER 2010/10/18
APPR:DDOYE
DESCRIPTION
REV C

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

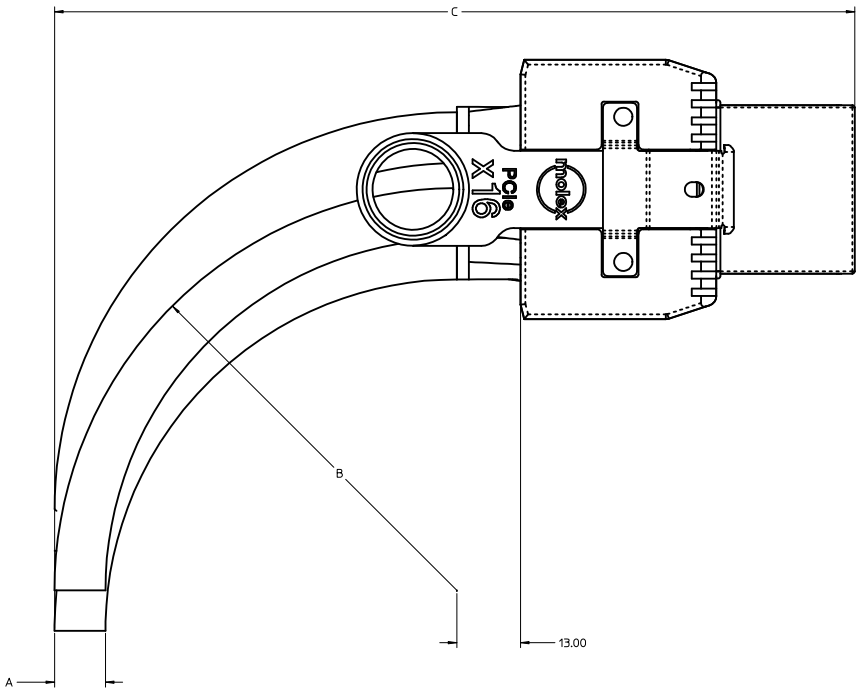
DRAWN BY	JERWIN	DATE 2009/07/08
CHECKED BY	KWEBER	DATE 2009/07/08
APPROVED BY	DDOYE	DATE 2010/10/18

TITLE: I-PASS X16 TO (2)X8 SPLITTER CABLE ASSEMBLY

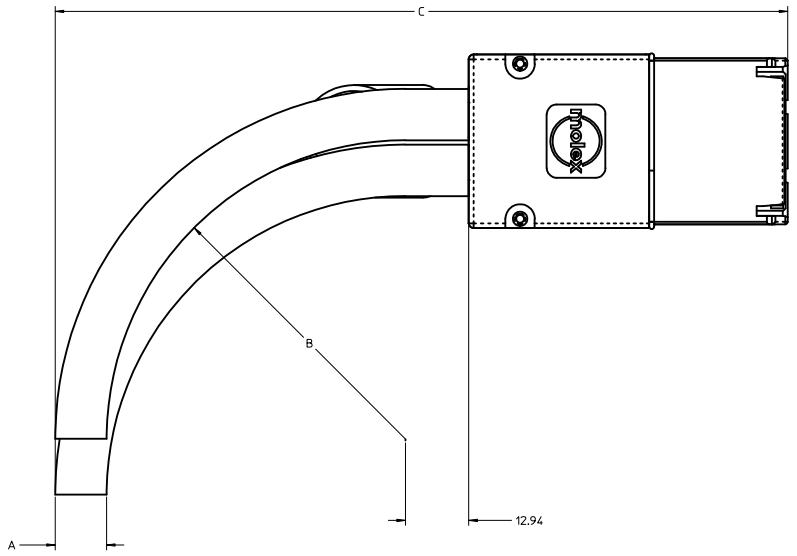
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74546-4180
SHEET NO.: 2 OF 3
SIZE: D

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CABLE GAGE	28
A. CABLE DIAMETER	8.4
B. MINIMUM OUTER RADIUS	37.7
C. FACEPLATE TO OUTER RADIUS	93.0



CABLE GAGE	28
A. CABLE DIAMETER	8.4
B. MINIMUM OUTER RADIUS	37.7
C. FACEPLATE TO OUTER RADIUS	93.0

REVISED PINOUT
EC NO: USY2011-0258 2010/10/12
DRWN:JERWIN 2010/10/14
CHKD:KWEBER 2010/10/18
APPR:DDOYE
DESCRIPTION
REV C

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

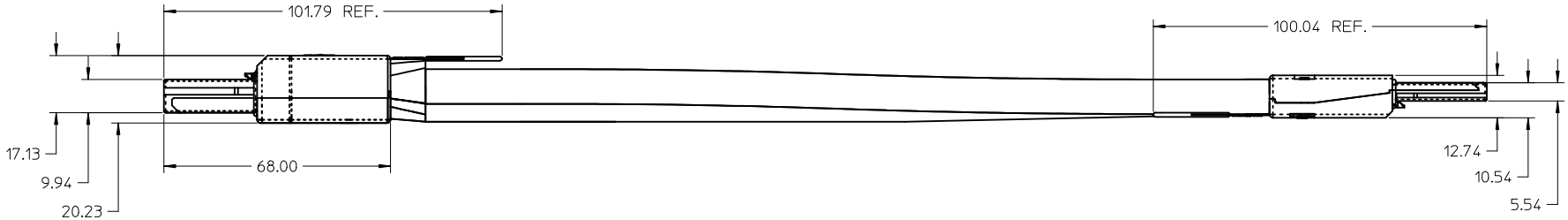
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

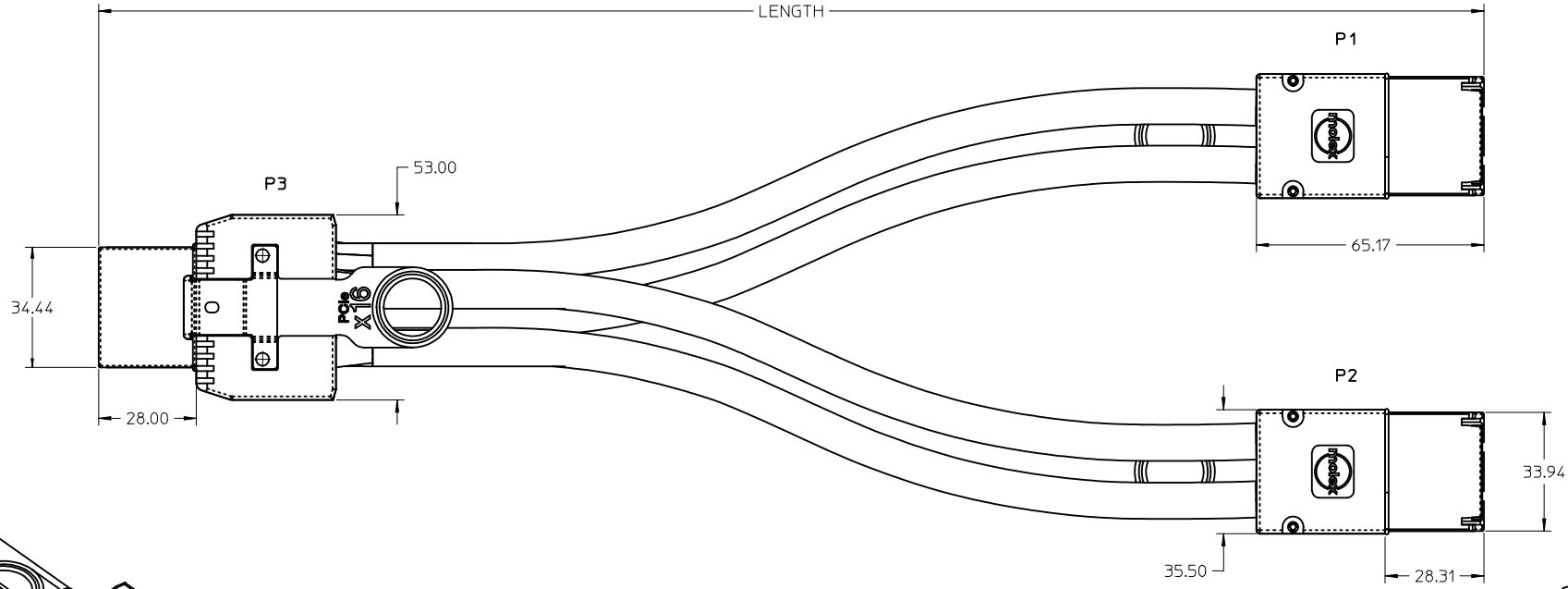
DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

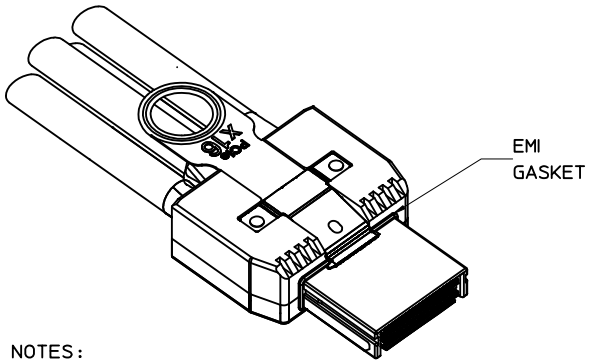
DRAWN BY: JERWIN DATE: 2009/07/08
CHECKED BY: KWEBER DATE: 2009/07/08
APPROVED BY: DDOYE DATE: 2010/10/18
MATERIAL NO.: SEE TABLE

TITLE
I-PASS
X16 TO (2)X8 SPLITTER
CABLE ASSEMBLY
MOLEX INCORPORATED
DOCUMENT NO.: SD-74546-4180
SHEET NO.: 3 OF 3
SIZE: D

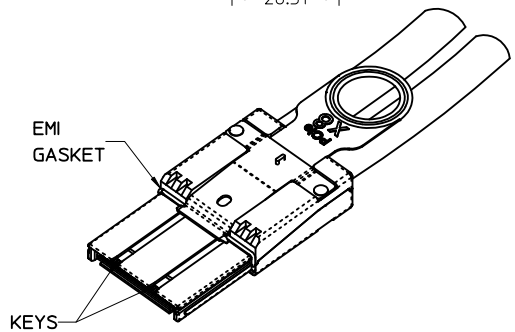
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MOLEX P/N	DESCRIPTION	LENGTH	TOLERANCE	AWG	JACKET RATING
745464180	16X TO (2) 8X PCIe	0.5M	±0.025M	28	VW1
745464181	16X TO (2) 8X PCIe	1M	±0.025M	28	VW1
745464182	16X TO (2) 8X PCIe	2M	±0.025M	28	VW1
745464183	16X TO (2) 8X PCIe	3M	±0.025M	28	VW1



NOTES:
1. MATERIAL=
   BACKSHELLS - ZINC DIECAST
   PULL - NYLON
   CABLE JACKET - SEE TABLE
2. LENGTH AND TOLERANCE - SEE TABLE
3. ELECTRICAL PERFORMANCE PER PCI EXPRESS EXTERNAL CABLING SPEC. REV 1.0
4. X16 PLUG MATES TO RECEPTACLE - EMI GUIDE HOUSING ASSY. 75581-0001 - X8 PLUG MATES TO RECEPTACLE 755860002 AND EMI HOUSING ASSY. 745400100
5. THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC)

iPass™ is a trademark of Molex

REVISED PINOUT
EC NO: USY2011-0258 2010/10/12
DRWN:JERWIN 2010/10/14
CH'KD:KWEBER 2010/10/18
APPR:DDOYE
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

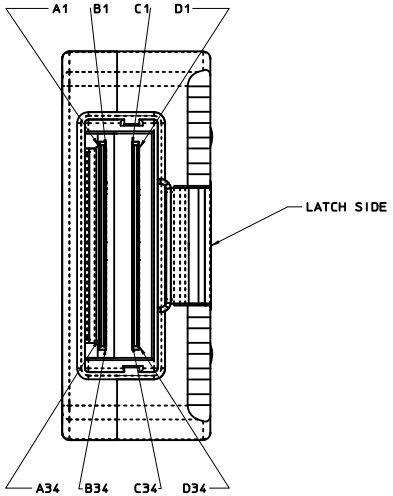
		DATE
DRAWN BY	JERWIN	2009/07/08
CHECKED BY	KWEBER	2009/07/08
APPROVED BY	DDOYE	2010/10/18
MATERIAL NO.	SEE TABLE	

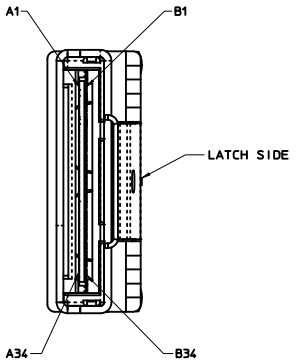
TITLE: I-PASS X16 TO (2)X8 SPLITTER CABLE ASSEMBLY
MOLEX INCORPORATED
DOCUMENT NO. SD-74546-4180
SHEET NO. 1 OF 3
SIZE C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

X16 P3 SIGNAL	PIN		X8 P1 PIN	X8 P1 SIGNAL
GND	B01		A01	GND
PERp0	B02	←	A02	PETp0
PERn0	B03	←	A03	PETn0
GND	B04		A04	GND
PERp1	B05	←	A05	PETp1
PERn1	B06	←	A06	PETn1
GND	B07		A07	GND
PERp2	B08	←	A08	PETp2
PERn2	B09	←	A09	PETn2
GND	B10		A10	GND
PERp3	B11	←	A11	PETp3
PERn3	B12	←	A12	PETn3
GND	B13		A13	GND
uREFCLKp	A19		A14	uREFCLKp
uREFCLKn	A20		A15	uREFCLKn
GND	A18		A16	GND
NC	B14	NC	A17	NC
NC	B34	NC	A18	NC
uSB_RTN	A17		A19	uSB_RTN
uCPRSNT#	B19		A20	uCPRSNT#
uCPWRON	B17		A21	uCPWRON
GND	B21		A22	GND
PERp4	B22	←	A23	PETp4
PERn4	B23	←	A24	PETn4
GND	B24		A25	GND
PERp5	B25	←	A26	PETp5
PERn5	B26	←	A27	PETn5
GND	B27		A28	GND
PERp6	B28	←	A29	PETp6
PERn6	B29	←	A30	PETn6
GND	B30		A31	GND
PERp7	B31	←	A32	PETp7
PERn7	B32	←	A33	PETn7
GND	B33		A34	GND
uCWAKE#	B18		B20	uCWAKE#
uCPERST#	B20		B21	uCPERST#
GND	A01		B01	GND
PETp0	A02	→	B02	PERp0
PETn0	A03	→	B03	PERn0
GND	A04		B04	GND
PETp1	A05	→	B05	PERp1
PETn1	A06	→	B06	PERn1
GND	A07		B07	GND
PETp2	A08	→	B08	PERp2
PETn2	A09	→	B09	PERn2
GND	A10		B10	GND
PETp3	A11	→	B11	PERp3
PETn3	A12	→	B12	PERn3
GND	A13		B13	GND
NC	A14	NC	B14	NC
NC	A15	NC	B15	NC
NC	A16	NC	B16	NC
NC	B15	NC	B17	NC
NC	B16	NC	B18	NC
NC	A34	NC	B19	NC
GND	A21		B22	GND
PETp4	A22	→	B23	PERp4
PETn4	A23	→	B24	PERn4
GND	A24		B25	GND
PETp5	A25	→	B26	PERp5
PETn5	A26	→	B27	PERn5
GND	A27		B28	GND
PETp6	A28	→	B29	PERp6
PETn6	A29	→	B30	PERn6
GND	A30		B31	GND
PETp7	A31	→	B32	PERp7
PETn7	A32	→	B33	PERn7
GND	A33		B34	GND

X16 P3 SIGNAL	PIN		X8 P2 PIN	X8 P2 SIGNAL
GND	D01		A01	GND
PERp8	D02	←	A02	PETp8
PERn8	D03	←	A03	PETn8
GND	D04		A04	GND
PERp9	D05	←	A05	PETp9
PERn9	D06	←	A06	PETn9
GND	D07		A07	GND
PERp10	D08	←	A08	PETp10
PERn10	D09	←	A09	PETn10
GND	D10		A10	GND
PERp11	D11	←	A11	PETp11
PERn11	D12	←	A12	PETn11
GND	D13		A13	GND
dREFCLKp	C19		A14	dREFCLKp
dREFCLKn	C20		A15	dREFCLKn
GND	C18		A16	GND
NC	D14	NC	A17	NC
NC	D34	NC	A18	NC
dSB_RTN	C17		A19	dSB_RTN
dCPRSNT#	D19		A20	dCPRSNT#
dCPWRON	D17		A21	dCPWRON
GND	D21		A22	GND
PERp12	D22	←	A23	PETp12
PERn12	D23	←	A24	PETn12
GND	D24		A25	GND
PERp13	D25	←	A26	PETp13
PERn13	D26	←	A27	PETn13
GND	D27		A28	GND
PERp14	D28	←	A29	PETp14
PERn14	D29	←	A30	PETn14
GND	D30		A31	GND
PERp15	D31	←	A32	PETp15
PERn15	D32	←	A33	PETn15
GND	D33		A34	GND
dCWAKE#	D18		B20	dCWAKE#
dCPERST#	D20		B21	dCPERST#
GND	C01		B01	GND
PETp8	C02	→	B02	PERp0
PETn8	C03	→	B03	PERn0
GND	C04		B04	GND
PETp9	C05	→	B05	PERp9
PETn9	C06	→	B06	PERn9
GND	C07		B07	GND
PETp10	C08	→	B08	PERp10
PETn10	C09	→	B09	PERn10
GND	C10		B10	GND
PETp11	C11	→	B11	PERp11
PETn11	C12	→	B12	PERn11
GND	C13		B13	GND
NC	C14	NC	B14	NC
NC	C15	NC	B15	NC
NC	C16	NC	B16	NC
NC	D15	NC	B17	NC
NC	D16	NC	B18	NC
NC	C34	NC	B19	NC
GND	C21		B22	GND
PETp12	C22	→	B23	PERp12
PETn12	C23	→	B24	PERn12
GND	C24		B25	GND
PETp13	C25	→	B26	PERp13
PETn13	C26	→	B27	PERn13
GND	C27		B28	GND
PETp14	C28	→	B29	PERp14
PETn14	C29	→	B30	PERn14
GND	C30		B31	GND
PETp15	C31	→	B32	PERp15
PETn15	C32	→	B33	PERn15
GND	C33		B34	GND





IPASS™ IS A TRADEMARK OF MOLEX

REVISED PINOUT
EC NO: USY2011-0258 2010/10/12
DRWN: JERWIN 2010/10/14
CHK'D:KWEBER 2010/10/18
APPR:DDOYE
DESCRIPTION
REV C

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

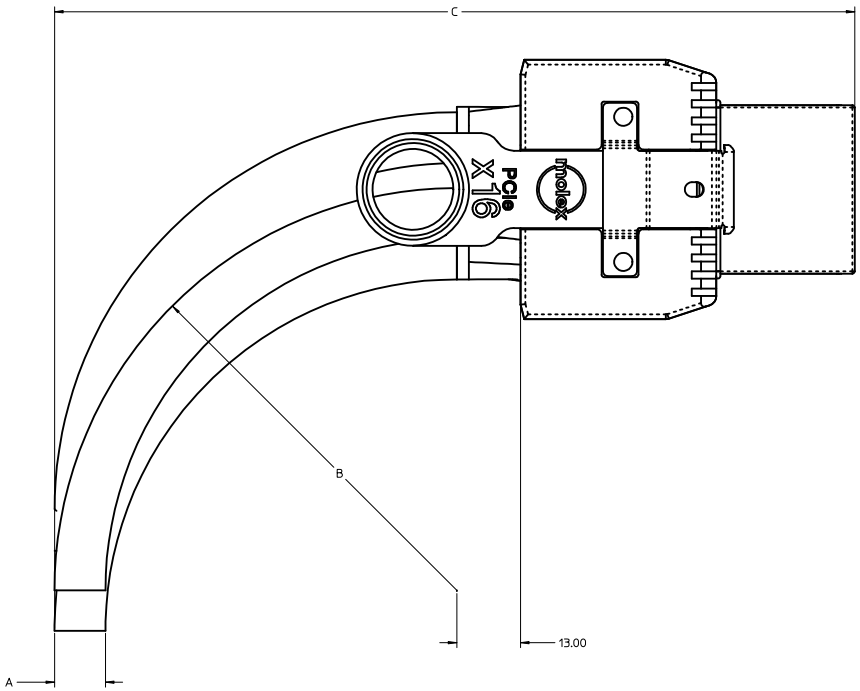
DRAWN BY	JERWIN	DATE 2009/07/08
CHECKED BY	KWEBER	DATE 2009/07/08
APPROVED BY	DDOYE	DATE 2010/10/18

TITLE: I-PASS X16 TO (2)X8 SPLITTER CABLE ASSEMBLY

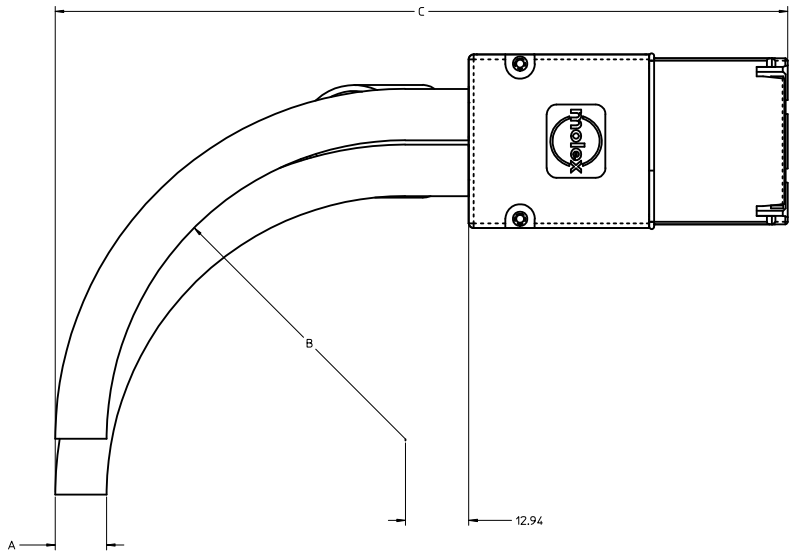
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74546-4180
SHEET NO.: 2 OF 3
SIZE: D

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



CABLE GAGE	28
A. CABLE DIAMETER	8.4
B. MINIMUM OUTER RADIUS	37.7
C. FACEPLATE TO OUTER RADIUS	93.0



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A. CABLE DIAMETER	8.4
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JERWIN DATE: 2009/07/08
CHECKED BY: KWEBER DATE: 2009/07/08
APPROVED BY: DDOYE DATE: 2010/10/18
MATERIAL NO.: SEE TABLE

TITLE
I-PASS
X16 TO (2)X8 SPLITTER
CABLE ASSEMBLY
MOLEX INCORPORATED
DOCUMENT NO.: SD-74546-4180
SHEET NO.: 3 OF 3
SIZE: D

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