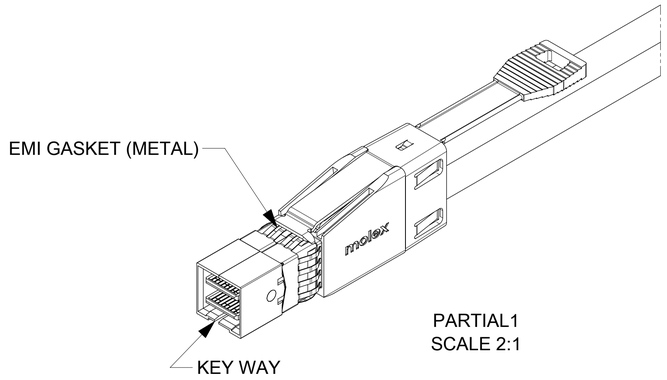
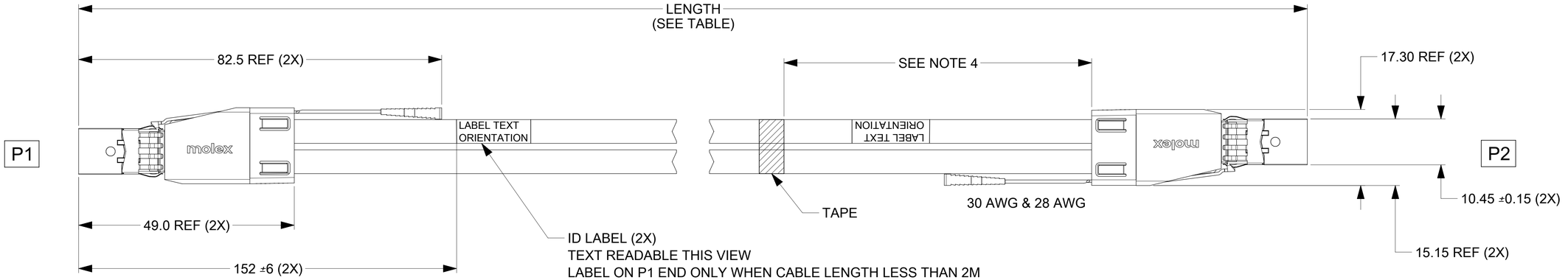
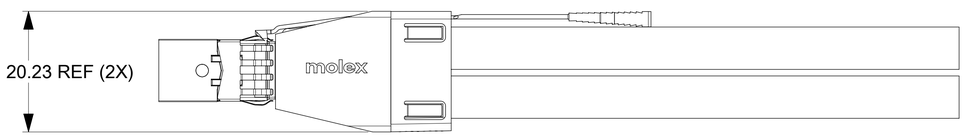








24 AWG & 26 AWG

MOLEX P/N	LENGTH (M)	LENGTH TOLERANCE (mm)	AWG
1110751000	0.5	±25	30
1110751001	1.0	±50	30
1110751125	1.2	±50	30
1110751160	1.45	±50	30
1110753112	1.5	±50	30
1110751185	1.8	±50	30
1110751002	2.0	±50	30
1110751025	2.5	±50	28
1110751003	3.0	±100	28
1110751026	3.5	±100	28
1110751004	4.0	±100	26
1110751005	5.0	±100	26
1110751027	5.5	±100	26
1110751006	6.0	±100	26
1110751007	7.0	±150	24
1110751008	8.0	±150	24

NOTES:
1. MATERIAL =
   BACKSHELLS - NICKEL PLATED ZINC DIECAST
   LATCH - STAINLESS STEEL
   PULL - HALOGEN FREE THERMOPLASTIC ELASTOMER (TPE)
2. THIS PRODUCT CONFORMS TO THE MECHANICAL DIMENSIONING OF SFF-8644 AND ELECTRICAL PERFORMANCE REQUIREMENTS OF SAS 3.0
3. RoHS COMPLIANT. NO EXEMPTIONS.
4. TAPE CABLE BUNDLES EVERY 1/2 METER (APPROXIMATELY)
5. PROTECTIVE DUST CAP TO BE INSTALLED ONTO EACH PLUG (NOT SHOWN).

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

DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDED 1.2M LENGTH PN

EC NO: 603033
DRWN: KNAGANNA 2018/07/13
CHK'D: NSRIVATSAHS 2018/08/17
APPR: KNAGANNA 2018/08/23

INITIAL REVISION:
DRWN: GSARVADE 2018/03/20
APPR: ARAYBURN 2018/03/23

molex

MINISAS 4X HD TO
MINISAS 4X HD 12GB EXT PASSIVE CBL ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1110751000	PSD	000	J

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	111075	SEE PN TABLE	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/23 19:05:47

MINISAS HD WIRING CHART				
-P1-			-P2-	
GND	D9	- - - - -	B9	GND
Tx2-	D8	⟶	B8	Rx2-
Tx2+	D7	⟶	B7	Rx2+
GND	D6	- - - - -	B6	GND
Tx0-	D5	⟶	B5	Rx0-
Tx0+	D4	⟶	B4	Rx0+
GND	D3	- - - - -	B3	GND
Vman	D2	** ■ **	B2	ModPrsL
Vact	D1	** ■ **	B1	Vact
SCL	C1	** ■ **	A1	Rsv
SDA	C2	** ■ **	A2	IntL
GND	C3	- - - - -	A3	GND
Tx1+	C4	⟶	A4	Rx1+
Tx1-	C5	⟶	A5	Rx1-
GND	C6	- - - - -	A6	GND
Tx3+	C7	⟶	A7	Rx3+
Tx3-	C8	⟶	A8	Rx3-
GND	C9	- - - - -	A9	GND
GND	B9	- - - - -	D9	GND
Rx2-	B8	⟵	D8	Tx2-
Rx2+	B7	⟵	D7	Tx2+
GND	B6	- - - - -	D6	GND
Rx0-	B5	⟵	D5	Tx0-
Rx0+	B4	⟵	D4	Tx0+
GND	B3	- - - - -	D3	GND
ModPrsL	B2	** ■ **	D2	Vman
Vact	B1	** ■ **	D1	Vact
Rsv	A1	** ■ **	C1	SCL
IntL	A2	** ■ **	C2	SDA
GND	A3	- - - - -	C3	GND
Rx1+	A4	⟵	C4	Tx1+
Rx1-	A5	⟵	C5	Tx1-
GND	A6	- - - - -	C6	GND
Rx3+	A7	⟵	C7	Tx3+
Rx3-	A8	⟵	C8	Tx3-
GND	A9	- - - - -	C9	GND

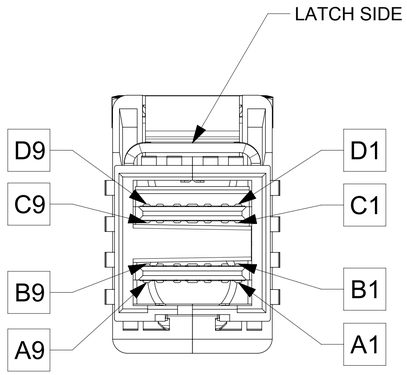
LEGEND:

** = RESERVED FOR POWER AND MANAGEMENT INTERFACE

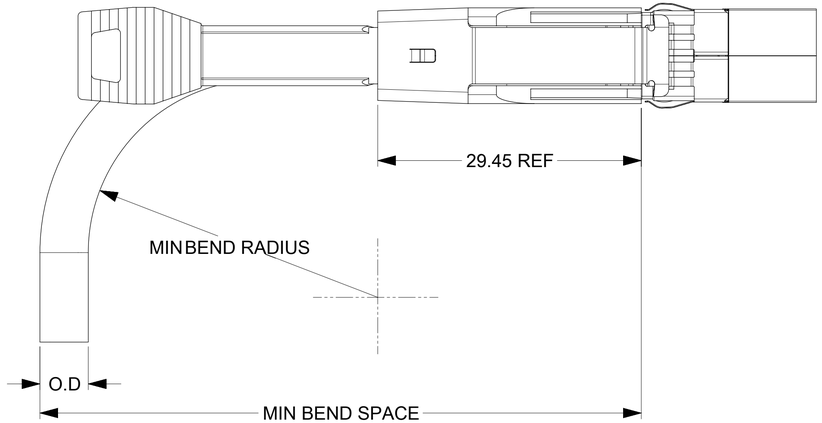
⟶ = TRANSMIT TO RECEIVE ON HIGH SPEED LINES

- - - - - = THRU LINES

■ = CONNECTION TO A DEVICE ON THE PCB



CABLE BEND ALLOWANCE (MIN)



GUAGE	O.D	MINIMUM BEND RADIUS (mm)	MINIMUM BEND SPACE (mm)
30	5.1	26	60
28	5.6	28	63
26	6.9	35	71
24	7.6	38	75

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

DIMENSION UNITS	SCALE
mm	3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDED 1.2M LENGTH PN

EC NO: 603033

DRWN: KNAGANNA 2018/07/13

CHK'D: NSRIVATSAHS 2018/08/17

APPR: KNAGANNA 2018/08/23

INITIAL REVISION:

DRWN: GSARVADE 2018/03/20

APPR: ARAYBURN 2018/03/23

molex

MINISAS 4X HD TO MINISAS 4X HD 12GB EXT PASSIVE CBL ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1110751000	PSD	000	J

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	111075	SEE PN TABLE	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/23 19:05:47

CABLE ID LABLE



P/N: SEE TABLE
S/N: Y = YEAR, THE LAST DIGIT OF YEAR
DDD = DAY OF THE YEAR
L = LOCATION
1 - USA
2 - MEXICO
3 - CHINA

SSSS = SERIAL NUMBER
X.XXM: CABLE LENGTH, SEE TABLE
XXAWG: WIRE GAGE, SEE TABLE

(DATE CODE ISO-8601 FORMAT)

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

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)		
ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDED 1.2M LENGTH PN

EC NO: 603033
DRWN: KNAGANNA 2018/07/13
CHK'D: NSRIVATSAHS 2018/08/17
APPR: KNAGANNA 2018/08/23

INITIAL REVISION:
DRWN: GSARVADE 2018/03/20
APPR: ARAYBURN 2018/03/23

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 111075

molex

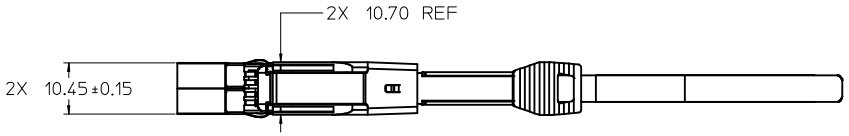
MINISAS 4X HD TO
MINISAS 4X HD 12GB EXT PASSIVE CBL ASSY

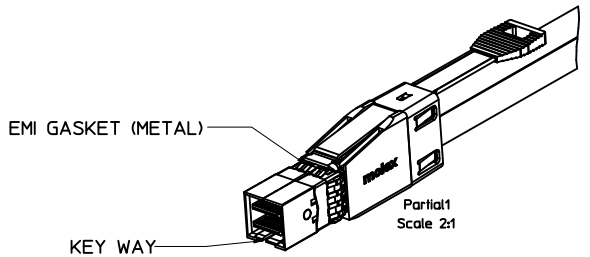
PRODUCT CUSTOMER DRAWING

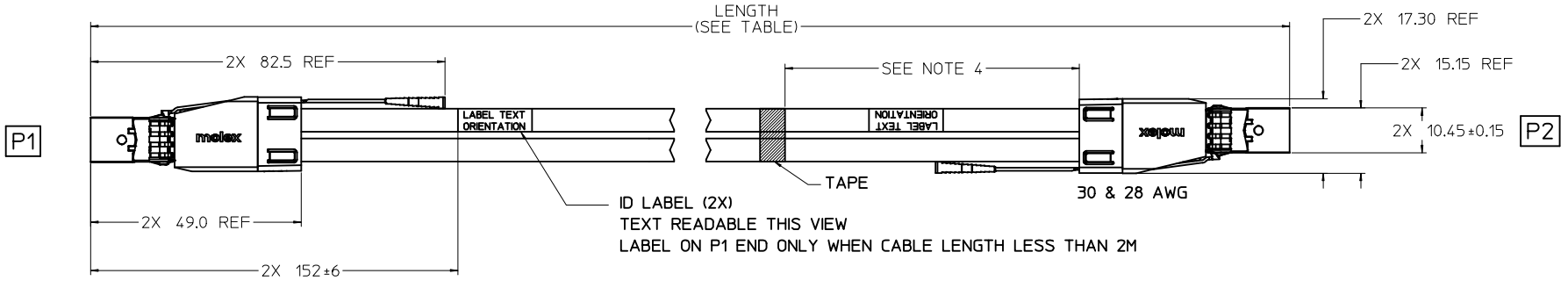
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1110751000	PSD	000	J

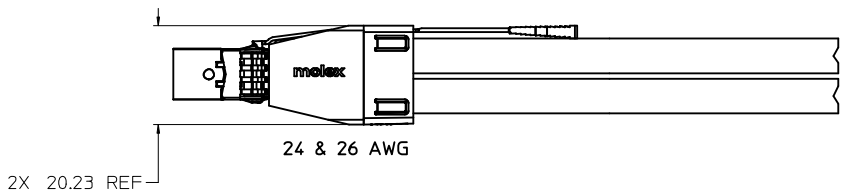
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PN TABLE	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/23 19:05:47









MOLEX P/N	LENGTH (M)	LENGTH TOLERANCE (mm)	AWG
1110751000	0.5	±25	30
1110751001	1.0	±50	30
1110751160	1.45	±50	30
1110753112	1.5	±50	30
1110751002	2.0	±50	30
1110751025	2.5	±50	28
1110751003	3.0	±100	28
1110751026	3.5	±100	28
1110751004	4.0	±100	26
1110751005	5.0	±100	26
1110751027	5.5	±100	26
1110751006	6.0	±100	26
1110751007	7.0	±150	24
1110751008	8.0	±150	24

NOTES:
1. MATERIAL =
   BACKSHELLS - NICKEL PLATED ZINC DIECAST.
   LATCH - STAINLESS STEEL.
   PULL - HALOGEN FREE THERMOPLASTIC ELASTOMER (TPE)
2. THIS PRODUCT CONFORMS TO THE MECHANICAL DIMENSIONING OF SFF-8644 AND ELECTRICAL PERFORMANCE REQUIREMENTS OF SAS 3.0
3. RoHS COMPLIANT. NO EXEMPTIONS.
4. TAPE CABLE BUNDLES EVERY 1/2 METER (APPROXIMATELY)
5. PROTECTIVE DUST CAP TO BE INSTALLED ONTO EACH PLUG (NOT SHOWN).

ADDED 1110751027 EC NO: CPG2016-3207 2016/03/01
DRWN:CKUMARR 2016/03/01
CHKD:
APPR:ARAYBURN
DESCRIPTION
REV G

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

		DATE
DRAWN BY	RKLINE	2012/09/11
CHECKED BY	SHOSSAIN	2013/04/09
APPROVED BY	RMKHAN	2013/07/03
MATERIAL NO.	SEE P/N TABLE	

TITLE: MINISAS 4X HD TO MINISAS 4X HD 12GB EXT PASSIVE CBL ASSY
molex
DOCUMENT NO. SD-111075-1000
SHEET NO. 1 OF 3
SIZE D

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

MINISAS HD WIRING CHART				
-P1-			-P2-	
GND	D9	----	B9	GND
Tx2-	D8	--->	B8	Rx2-
Tx2+	D7	--->	B7	Rx2+
GND	D6	----	B6	GND
Tx0-	D5	--->	B5	Rx0-
Tx0+	D4	--->	B4	Rx0+
GND	D3	----	B3	GND
Vman	D2	** ■ **	B2	ModPrsL
Vact	D1	** ■ **	B1	Vact
SCL	C1	** ■ **	A1	Rsv
SDA	C2	** ■ **	A2	IntL
GND	C3	----	A3	GND
Tx1+	C4	--->	A4	Rx1+
Tx1-	C5	--->	A5	Rx1-
GND	C6	----	A6	GND
Tx3+	C7	--->	A7	Rx3+
Tx3-	C8	--->	A8	Rx3-
GND	C9	----	A9	GND
GND	B9	----	D9	GND
Rx2-	B8	<---	D8	Tx2-
Rx2+	B7	<---	D7	Tx2+
GND	B6	----	D6	GND
Rx0-	B5	<---	D5	Tx0-
Rx0+	B4	<---	D4	Tx0+
GND	B3	----	D3	GND
ModPrsL	B2	** ■ **	D2	Vman
Vact	B1	** ■ **	D1	Vact
Rsv	A1	** ■ **	C1	SCL
IntL	A2	** ■ **	C2	SDA
GND	A3	----	C3	GND
Rx1+	A4	<---	C4	Tx1+
Rx1-	A5	<---	C5	Tx1-
GND	A6	----	C6	GND
Rx3+	A7	<---	C7	Tx3+
Rx3-	A8	<---	C8	Tx3-
GND	A9	----	C9	GND

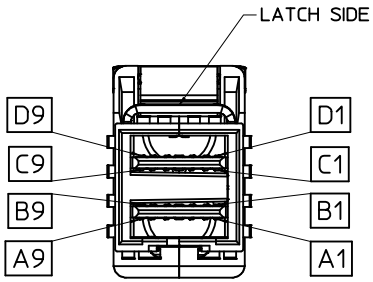
LEGEND:

** = RESERVED FOR POWER AND MANAGEMENT INTERFACE

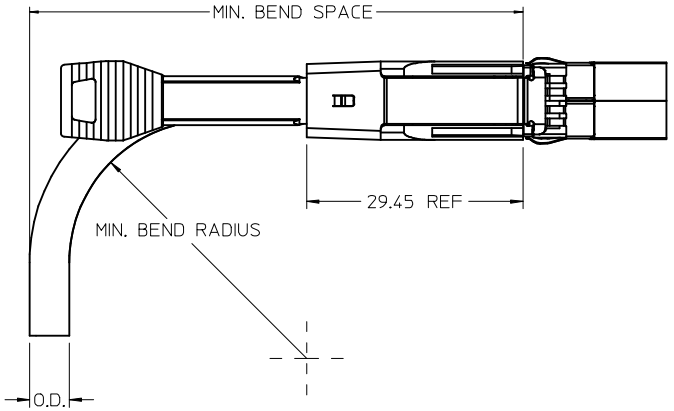
---> = TRANSMIT TO RECEIVE ON HIGH SPEED LINES

---- = THRU LINES

■ = CONNECTION TO A DEVICE ON THE PCB



CABLE BEND ALLOWANCE (MIN)



GUAGE	O.D.	MIN. BEND RADIUS	MIN. BEND SPACE
30	5.1	26	60
28	5.6	28	63
26	6.9	35	71
24	7.6	38	75

ADDED 1110751027
EC NO: CPG2016-3207 2016/03/01
DRWN:CKUMARR 2016/03/01
CHKD:
APPR:ARAYBURN
DESCRIPTION
G
REV

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---

ANGULAR ±---°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	RKLINE	2012/09/11
CHECKED BY	SHOSSAIN	2013/04/09
APPROVED BY	RMKHAN	2013/07/03
MATERIAL NO.	SEE P/N TABLE	

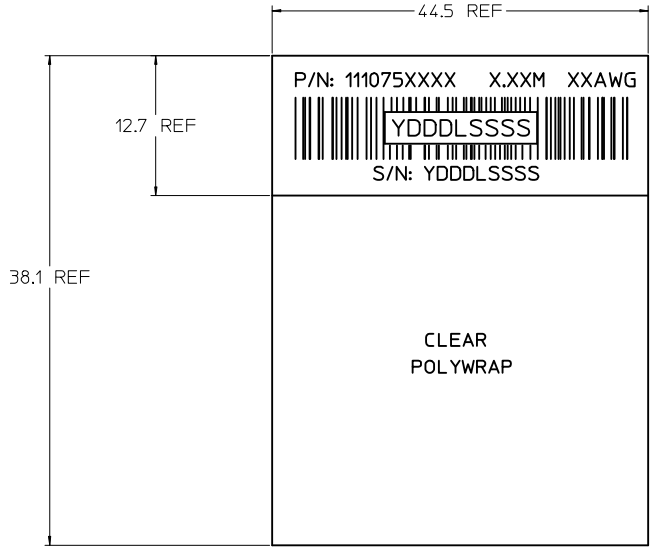
TITLE: MINISAS 4X HD TO MINISAS 4X HD 12GB EXT PASSIVE CBL ASSY

molex

DOCUMENT NO.: SD-111075-1000
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 ID LABEL



P/N: SEE TABLE
S/N: Y = YEAR, LAST DIGIT OF YEAR
DDD = DAY OF THE YEAR
L = LOCATION - 1 = USA
2 = MEXICO
3 = CHINA
SSSS = SERIAL NUMBER
X.XXM: CABLE LENGTH, SEE TABLE
XXAWG: WIRE GAGE, SEE TABLE

(DATE CODE ISO-8601 FORMAT)

ADDED 1110751027
EC NO: CPG2016-3207 2016/03/01
DRWN:CKUMARR
CH'KD:
APPR:ARAYBURN 2016/03/01
DESCRIPTION
G
REV

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY	RKLINE	2012/09/11
CHECKED BY	SHOSSAIN	2013/04/09
APPROVED BY	RMKHAN	2013/07/03
MATERIAL NO.	SEE P/N TABLE	

TITLE: MINISAS 4X HD TO MINISAS 4X HD 12GB EXT PASSIVE CBL ASSY

molex

DOCUMENT NO.: SD-111075-1000
SHEET NO.: 3 OF 3
SIZE: D

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