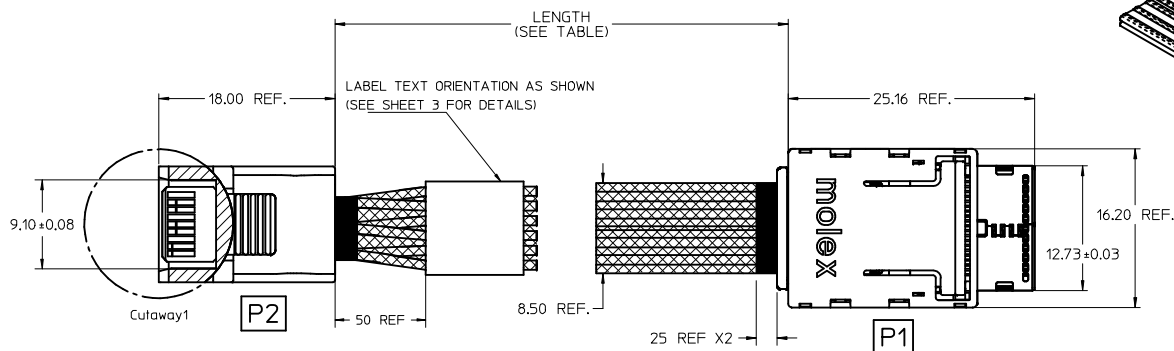
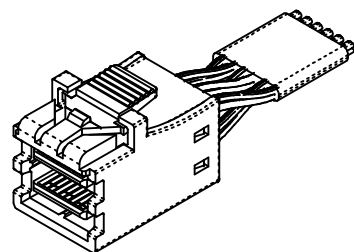


NOTES:

1. MATERIALS:

- NANOPITCH: BACKSHELLS - GLASS FILLED LCP, UL94-V0.
COLOR: BLACK.
- LATCHING - STAINLESS STEEL
PCB - HALOGEN FREE
- MINISAS HD: HOUSING - GLASS FILLED PA66. 94-V0.
COLOR: BLACK
- LATCH - MOLDED PART OF HOUSING
PCB - FR4
- CABLE:
- TWIN-AX SHIELD: ALUMINIZED POLYESTER FOIL
 - SIGNAL PAIR: SOLID SILVER PLATED COPPER
 - DRAIN: SOLID TINNED COPPER
 - CONFORMS TO VW1
 - IMPEDANCE: 85-OHM
 - SEE TABLE

2. LENGTH AND TOLERANCE

3. RoHS COMPLIANT, NO EXEMPTIONS.

4. PRODUCT DOCUMENTATION CONFORMANCE:

- NANOPITCH: SFF-8611 AND SAS 3.0
MINISAS HD: SFF-8643 AND SAS 3.0

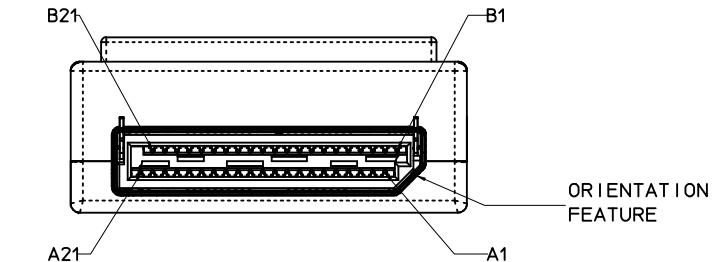
MOLEX P/N	LENGTH	AWG	TOLERANCE
1004364011	0.30M	34	±10mm
1004364012	0.50M	34	±10mm
1004364013	1.00M	34	±10mm

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	DOCUMENT NO.	SHEET NO.
1	UPDATED LABEL	▽=0	4 PLACES ±---	MM ONLY	4:1	METRIC	THIRD ANGLE PROJECTION	NANOPITCH TO MINISAS HD GEN MARKET	SD-100436-4011	1 OF 3
2	EC NO: CPG2016-1079	▽=0	3 PLACES ±---							
3	DRAWN BY: TPRATT	▽=0	2 PLACES ±0.13							
4	2015/09/08		1 PLACE ±0.25							
5	CHKD BY: PSYTSMA		0 PLACE ±---							
6	2015/09/08									
7	APPR: CHIRSCHY									
8	2015/09/11									
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

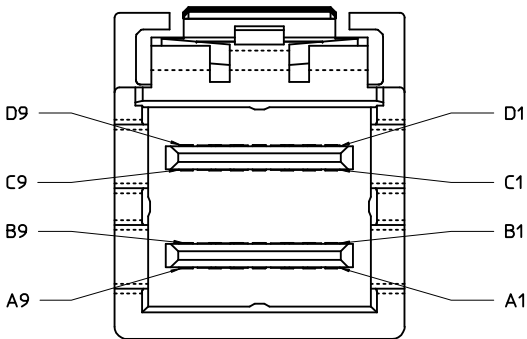
NANOPITCH			MiniSAS HD	
-P1-			-P2-	
A1	RSVD	NC	--	
A2	GND	----	GND	D3
A3	RX+0	<---	TX+0	D4
A4	RX-0	<---	TX-0	D5
A5	GND	----	GND	C3
A6	RX+1	<---	TX+1	C4
A7	RX-1	<---	TX-1	C5
A8	GND	----	GND	C6
A9	SB6	<-->	SB6	A2
A10	SB5	<-->	SB5	B2
A11				
A12	SB4	<-->	SB4	C2
A13	SB2	<-->	SB2	D2
A14	GND	----	GND	D6
A15	RX+2	<---	TX+2	D7
A16	RX-2	<---	TX+2	D8
A17	GND	----	GND	D9
A18	RX+3	<---	TX+3	C7
A19	RX-3	<---	TX-3	C8
A20	GND	----	GND	C9
A21	---	NC		
		NC		
B1	---	NC		
B2	GND	----	GND	B3
B3	TX+0	---->	RX+0	B4
B4	TX-0	---->	RX-0	B5
B5	GND	----	GND	A3
B6	TX+1	---->	RX+1	A4
B7	TX-1	---->	RX-1	A5
B8	GND	----	GND	A6
B9	SB1	<-->	SB1	A1
B10	SB3	<-->	SB3	B1
B11		NC		
B12	SB7	<-->	SB7	C1
B13	SB0	<-->	SB0	D1
B14	GND	----	GND	B6
B15	TX+2	---->	RX+2	B7
B16	TX-2	---->	RX-2	B8
B17	GND	----	GND	B9
B18	TX+3	---->	RX+2	A7
B19	TX-3	---->	RX-2	A8
B20	GND	----	GND	A9
B21	RSVD	NC		

LEGEND:
---- = THRU LINES
----> = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS
NC = NOT CONNECTED
ALL SIGNAL GROUNDS ARE BUSSED IN PCB

NANOPITCH
PIN LOCATION



MINISAS HD
PIN LOCATION



UPDATED LABEL
IEC NO: CPG2016-1079
DRAWN BY: TPRATT
CHECKED BY: CHYKSSUTTER
APPROVED BY: CHIRSCY

2015/09/08
2015/09/08
2015/09/11

DESCRIPTION
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 ±1/2°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY: TPRATT
CHECKED BY: PSYTSMA
APPROVED BY: CHIRSCY

DATE: 2015/08/18
DATE: 2015/08/18
DATE: 2015/09/01

TITLE
NANOPITCH TO MINISAS HD GEN MARKET
molex

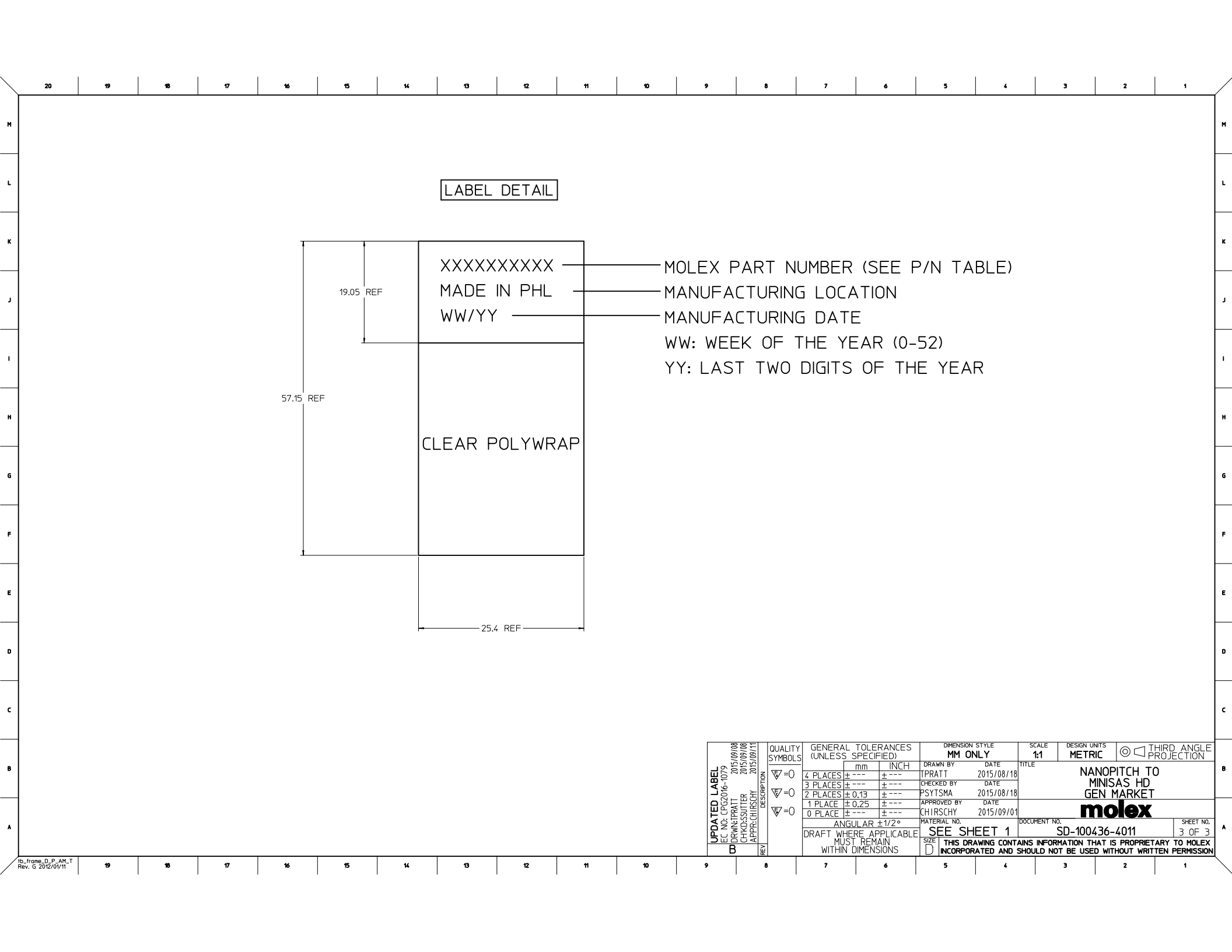
MATERIAL NO.
SEE SHEET 1

DOCUMENT NO.
SD-100436-4011

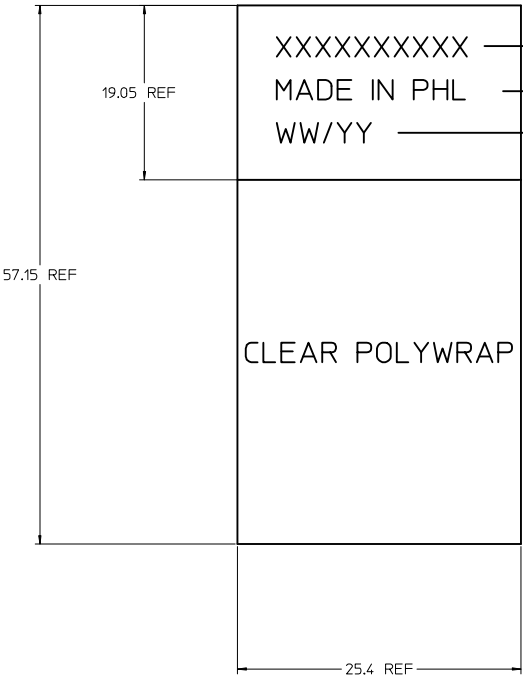
SHEET NO.
2 OF 3

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

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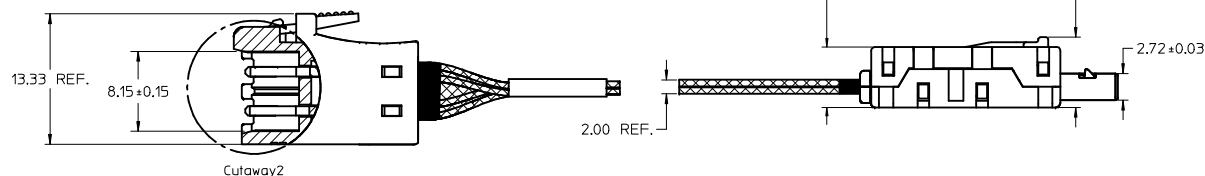
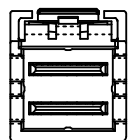
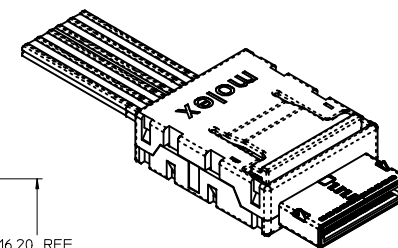
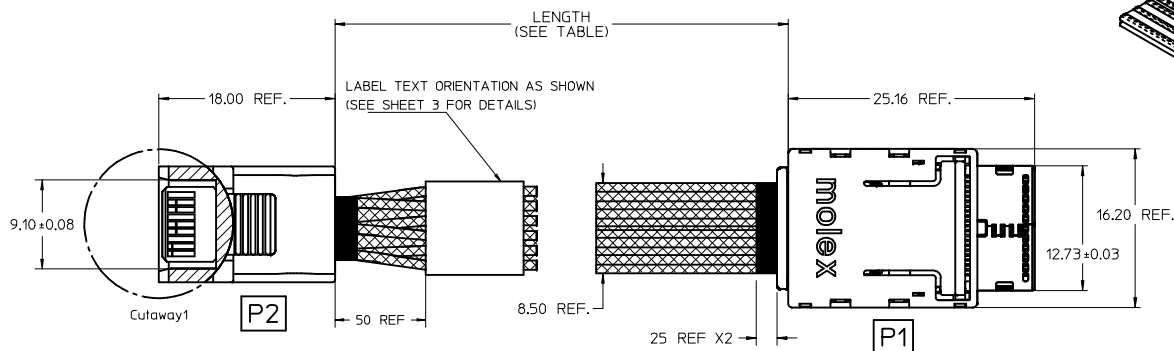
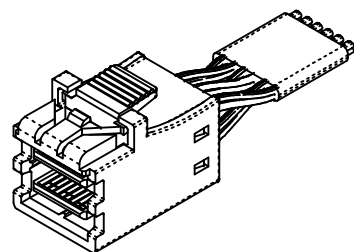


LABEL DETAIL



MOLEX PART NUMBER (SEE P/N TABLE)
MANUFACTURING LOCATION
MANUFACTURING DATE
WW: WEEK OF THE YEAR (0-52)
YY: LAST TWO DIGITS OF THE YEAR

UPDATED LABEL EC NO. CPG2016-1079 DRAWN BY: TPRAATT 2015/09/08 CHECKED BY: CHYKOSUITER 2015/09/08 APPROVED BY: CHIRSCHY 2015/09/11	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	NANOPITCH TO MINISAS HD GEN MARKET molex	DOCUMENT NO. SD-100436-4011	SHEET NO. 3 OF 3
		4 PLACES ±mm ±INCH		DRAWN BY DATE		TITLE					
		3 PLACES ±mm ±INCH		TPRAATT 2015/08/18							
		2 PLACES ±mm ±INCH		CHECKED BY DATE							
		1 PLACE ±0.13 ±mm		PSYTSMA 2015/08/18							
0 PLACE ±0.25 ±mm		APPROVED BY DATE									
		CHIRSCHY 2015/09/01									
		ANGULAR ±1/2°		MATERIAL NO.							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1							
				SIZE							
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



NOTES:

1. MATERIALS:

- NANOPITCH: BACKSHELLS - GLASS FILLED LCP, UL94-V0.
COLOR: BLACK.
- LATCHING - STAINLESS STEEL
PCB - HALOGEN FREE
- MINISAS HD: HOUSING - GLASS FILLED PA66. 94-V0.
COLOR: BLACK
- LATCH - MOLDED PART OF HOUSING
PCB - FR4
- CABLE:
- TWIN-AX SHIELD: ALUMINIZED POLYESTER FOIL
 - SIGNAL PAIR: SOLID SILVER PLATED COPPER
 - DRAIN: SOLID TINNED COPPER
 - CONFORMS TO VW1
 - IMPEDANCE: 85-OHM
 - SEE TABLE

2. LENGTH AND TOLERANCE

3. RoHS COMPLIANT, NO EXEMPTIONS.

4. PRODUCT DOCUMENTATION CONFORMANCE:

- NANOPITCH: SFF-8611 AND SAS 3.0
MINISAS HD: SFF-8643 AND SAS 3.0

MOLEX P/N	LENGTH	AWG	TOLERANCE
1004364011	0.30M	34	±10mm
1004364012	0.50M	34	±10mm
1004364013	1.00M	34	±10mm

UPDATED LABEL EC NO.: LFC20706-0709 REV. 01	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
				MM ONLY		4:1	METRIC		
	▽=0	4 PLACES	±---	mm	INCH	DRAWN BY	DATE		TITLE
	▽=0	3 PLACES	±---			TPRATT	2015/08/18		NANOPITCH TO MINISAS HD GEN MARKET
	▽=0	2 PLACES	±0.13			CHECKED BY	DATE		
		1 PLACE	±0.25			PSYTSMA	2015/08/18		
		0 PLACE	±---			APPROVED BY	DATE		
						CHIRSCHY	2015/09/01		
		ANGULAR ±1/2°		SEE P/N TABLE		MATERIAL NO.			DOCUMENT NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		SD-100436-4011			SHEET NO.
REV	DESCRIPTION	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

NANOPITCH TO
MINISAS HD
GEN MARKET

molex

SD-100436-4011

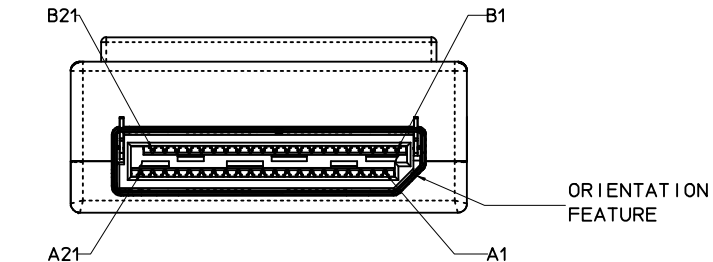
SHEET NO.
1 OF 3

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

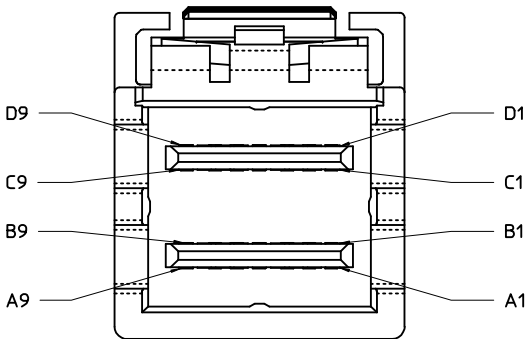
NANOPITCH			MiniSAS HD	
-P1-			-P2-	
A1	RSVD	NC	--	
A2	GND	----	GND	D3
A3	RX+0	<---	TX+0	D4
A4	RX-0	<---	TX-0	D5
A5	GND	----	GND	C3
A6	RX+1	<---	TX+1	C4
A7	RX-1	<---	TX-1	C5
A8	GND	----	GND	C6
A9	SB6	<-->	SB6	A2
A10	SB5	<-->	SB5	B2
A11				
A12	SB4	<-->	SB4	C2
A13	SB2	<-->	SB2	D2
A14	GND	----	GND	D6
A15	RX+2	<---	TX+2	D7
A16	RX-2	<---	TX+2	D8
A17	GND	----	GND	D9
A18	RX+3	<---	TX+3	C7
A19	RX-3	<---	TX-3	C8
A20	GND	----	GND	C9
A21	---	NC		
		NC		
B1	---	NC		
B2	GND	----	GND	B3
B3	TX+0	---->	RX+0	B4
B4	TX-0	---->	RX-0	B5
B5	GND	----	GND	A3
B6	TX+1	---->	RX+1	A4
B7	TX-1	---->	RX-1	A5
B8	GND	----	GND	A6
B9	SB1	<-->	SB1	A1
B10	SB3	<-->	SB3	B1
B11		NC		
B12	SB7	<-->	SB7	C1
B13	SB0	<-->	SB0	D1
B14	GND	----	GND	B6
B15	TX+2	---->	RX+2	B7
B16	TX-2	---->	RX-2	B8
B17	GND	----	GND	B9
B18	TX+3	---->	RX+2	A7
B19	TX-3	---->	RX-2	A8
B20	GND	----	GND	A9
B21	RSVD	NC		

LEGEND:
---- = THRU LINES
----> = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS
NC = NOT CONNECTED
ALL SIGNAL GROUNDS ARE BUSSED IN PCB

NANOPITCH
PIN LOCATION



MINISAS HD
PIN LOCATION



UPDATED LABEL
IEC NO: CPG2016-1079
DRAWN BY: TPRATT
CHECKED BY: CHYKSSUTTER
APPROVED BY: CHIRSCY

2015/09/08
2015/09/08
2015/09/11

DESCRIPTION

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 ±1/2°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY: TPRATT
CHECKED BY: PSYTSMA
APPROVED BY: CHIRSCY

DATE: 2015/08/18
DATE: 2015/08/18
DATE: 2015/09/01

SCALE
10:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

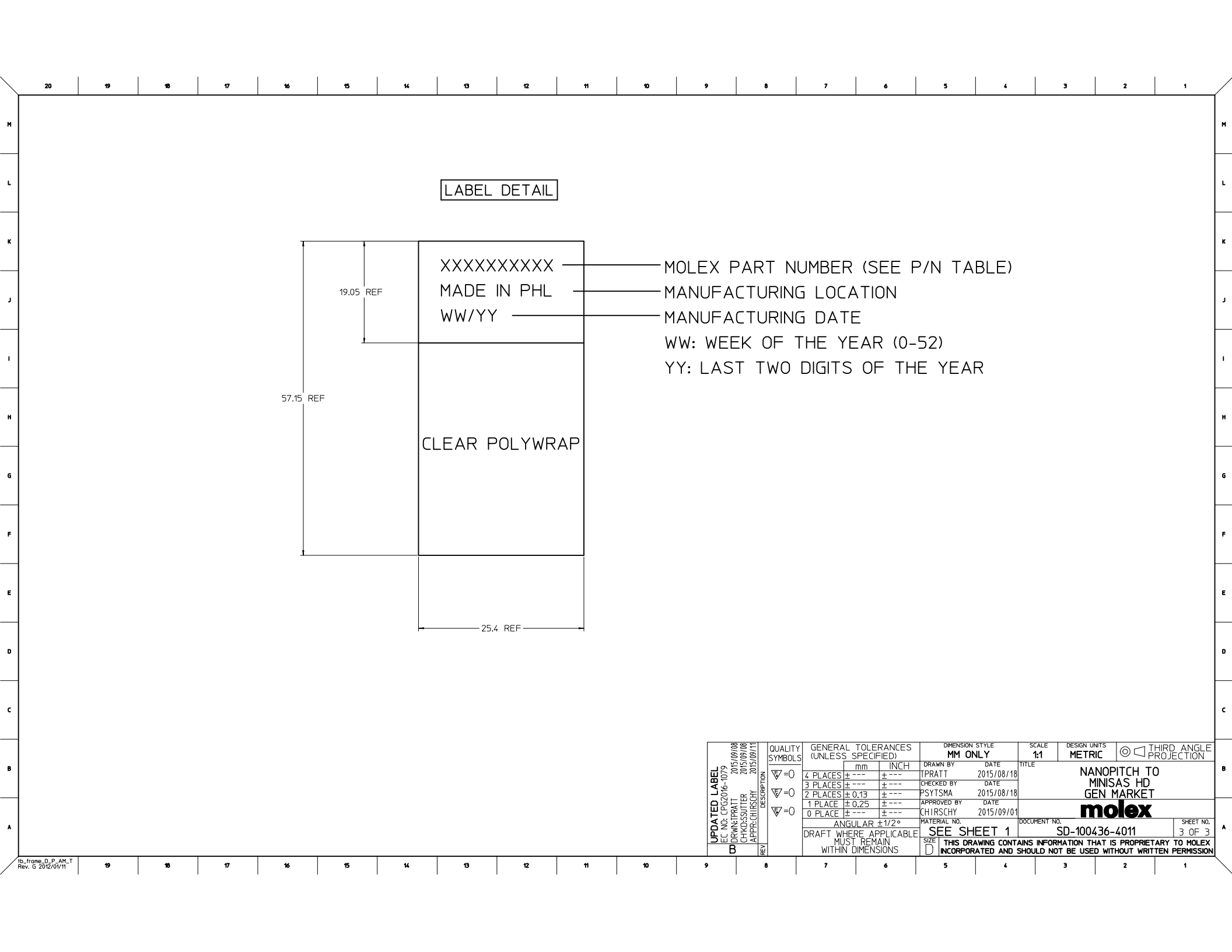
NANOPITCH TO
MINISAS HD
GEN MARKET
molex

MATERIAL NO.
SEE SHEET 1

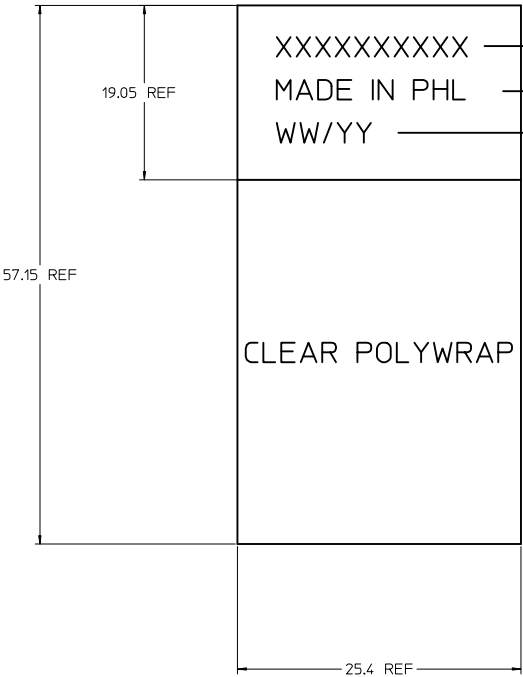
DOCUMENT NO.
SD-100436-4011

SHEET NO.
2 OF 3

1b_frame_0_P_AM_T Rev. G 2012/01/11 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



LABEL DETAIL



MOLEX PART NUMBER (SEE P/N TABLE)
MANUFACTURING LOCATION
MANUFACTURING DATE
WW: WEEK OF THE YEAR (0-52)
YY: LAST TWO DIGITS OF THE YEAR

UPDATED LABEL EC NO: CPG2016-1079 DRWING:TPRATT 2015/09/08 CHKD:SSUTTER 2015/09/08 APPR:CHIRSCHY 2015/09/11	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
							MM ONLY		1:1	METRIC	
			mm		INCH		DRAWN BY DATE		TITLE		
	▽=0		4 PLACES ± --- ± ---		TPRATT 2015/08/18		NANOPITCH TO MINISAS HD GEN MARKET molex				
	▽=0		3 PLACES ± --- ± ---		CHECKED BY DATE						
	▽=0		2 PLACES ± 0.13 ± ---		PSYTSMA 2015/08/18						
			1 PLACE ± 0.25 ± ---		APPROVED BY DATE						
			0 PLACE ± --- ± ---		CHIRSCHY 2015/09/01						
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-100436-4011				
		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							