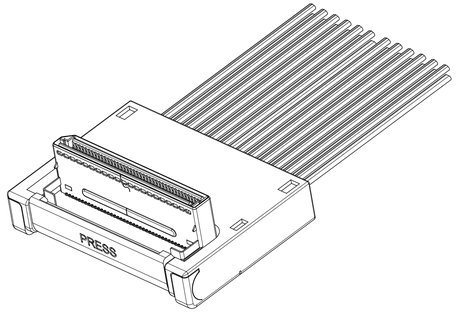
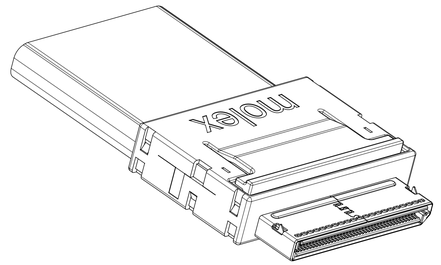
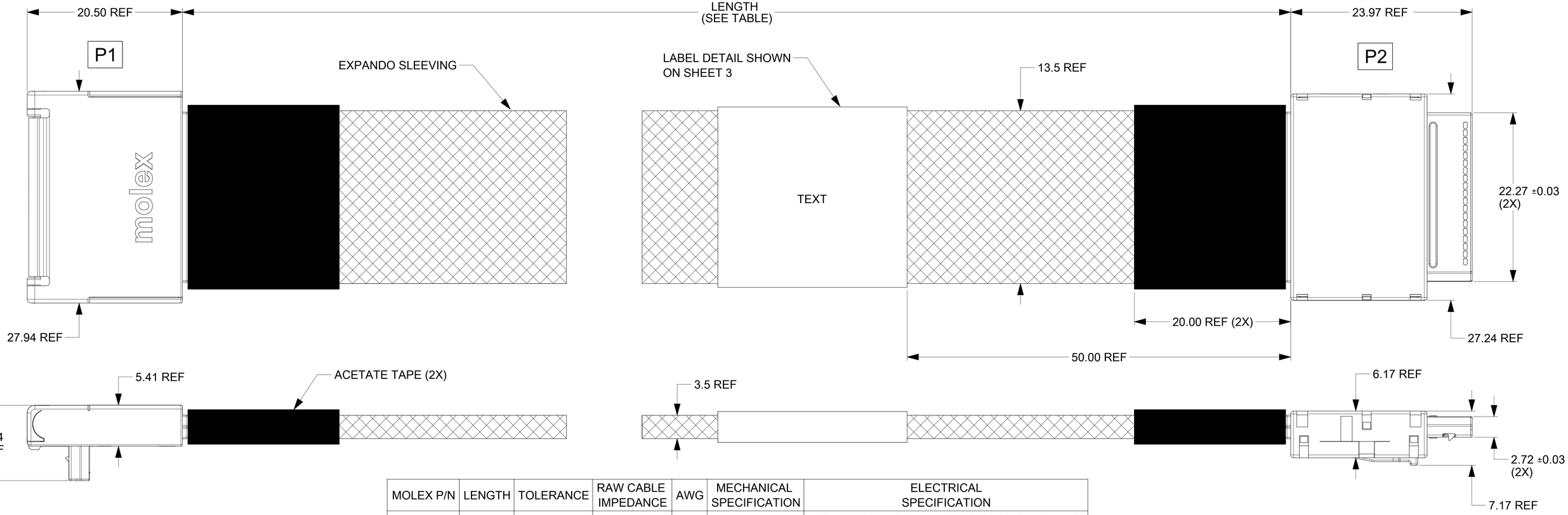






MOLEX P/N	LENGTH	TOLERANCE	RAW CABLE IMPEDANCE	AWG	MECHANICAL SPECIFICATION	ELECTRICAL SPECIFICATION
2002271000	300mm	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0 EXCEPT RETURE LOSS AND FITTED IL
2002271001	500mm	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
2002271002	1000mm	±15mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
2002271003	400mm	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
2002271156	110mm	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0 EXCEPT RETURE LOSS AND FITTED IL

NOTES:

1. MATERIALS:
   - BACKSHELLS - STR - GLASS FILLED LCP, UL94-V0
     R/A - NYLON, UL94-V0
     COLOR: BLACK
   - LATCHING - STAINLESS STEEL
   - CABLE - TWIN-AX SHIELD: ALUMINIZED POLYESTER FOIL
     - SIGNAL PAIR: SOLID SILVER PLATED COPPER
     - DRAIN: SOLID COATED COPPER
     - CONFORMS TO VW1
   - PCB - HALOGEN FREE
2. PLUG MATES TO RIGHT-ANGLE AND VERTICAL RECEPTACLE SERIES 173162.
3. RoHS COMPLIANT. NO EXCEPTIONS.

RELEASE STATUS	P1	RELEASE DATE	2017/12/18 02:43:12

QUALITY SYMBOLS: (A) = 0; (C) = 0; (P) = 0; = 0; (C) = 0; = 0; = 0; (C) = 0

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REV	EC NO:	DRWN:	CHK'D:	APPR:
E	169624	KBASAPPAKORA	RHSU01	RHSU01
	2017/11/16	2017/12/18	2017/12/18	

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS	SCALE
mm	NTS
DRWN BY	DATE
RWHIPPLE	2016/06/09
CHK'D BY	DATE
PKNAPP	2016/06/09
APPR BY	DATE
JCDEMPSEY	2016/06/15
DRAWING SIZE	THIRD ANGLE PROJECTION
D	

molex®

NPIO 8X RAD TO NPIO 8X STRAIGHT

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
200227	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
2002271000	PSD	000	1 OF 3

PINOUT TABLE

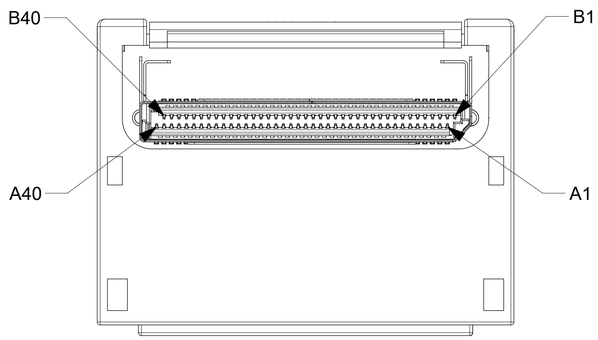
P1		SIGNAL TYPE	WIRE ID	P2	
PIN #	DESCRIPTION			PIN #	DESCRIPTION
A1	GROUND	----	TWINAX1	B1	GROUND
A2	PERp0	<---	TWINAX1	B2	PETp0
A3	PERn0	<---	TWINAX1	B3	PETn0
A4	GROUND	----	TWINAX2	B4	GROUND
A5	PERp1	<---	TWINAX2	B5	PETp1
A6	PERn1	<---	TWINAX2	B6	PETn1
A7	GROUND	----	TWINAX3	B7	GROUND
A8	BP_TYPEA	<---	TWINAX3	B8	BP_TYPEA
A9	CWAKEA#	<---	TWINAX3	B9	CWAKEA#
A10	RESERVED	NC	NO WIRE	B10	NO CONNECT
A11	VSPA+	<---	TWINAX4	B11	VSPA+
A12	VSPA-	<---	TWINAX4	B12	VSPA-
A13	GROUND	----	TWINAX4	B13	GROUND
A14	PERp2	<---	TWINAX5	B14	PETp2
A15	PERn2	<---	TWINAX5	B15	PETn2
A16	GROUND	----	TWINAX5	B16	GROUND
A17	PERp3	<---	TWINAX6	B17	PETp3
A18	PERn3	<---	TWINAX6	B18	PETn3
A19	GROUND	----	TWINAX6	B19	GROUND
A20	RESERVED	NC	NO WIRE	B20	NO CONNECT
A21	RESERVED	NC	NO WIRE	B21	NO CONNECT
A22	GROUND	----	TWINAX7	B22	GROUND
A23	PERp4	<---	TWINAX7	B23	PETp4
A24	PERn4	<---	TWINAX7	B24	PETn4
A25	GROUND	----	TWINAX8	B25	GROUND
A26	PERp5	<---	TWINAX8	B26	PETp5
A27	PERn5	<---	TWINAX8	B27	PETn5
A28	GROUND	----	TWINAX9	B28	GROUND
A29	BP_TYPEB	<---	TWINAX9	B29	BP_TYPEB
A30	CWAKEB#	<---	TWINAX9	B30	CWAKEB#
A31	RESERVED	NC	NO WIRE	B31	NO CONNECT
A32	VSPB+	<---	TWINAX10	B32	VSPB+
A33	VSPB-	<---	TWINAX10	B33	VSPB-
A34	GROUND	----	TWINAX10	B34	GROUND
A35	PERp6	<---	TWINAX11	B35	PETp6
A36	PERn6	<---	TWINAX11	B36	PETn6
A37	GROUND	----	TWINAX11	B37	GROUND
A38	PERp7	<---	TWINAX12	B38	PETp7
A39	PERn7	<---	TWINAX12	B39	PETn7
A40	GROUND	----	TWINAX12	B40	GROUND

P1		SIGNAL TYPE	WIRE ID	P2	
PIN #	DESCRIPTION			PIN #	DESCRIPTION
B1	GROUND	----	TWINAX13	A1	GROUND
B2	PETp0	--->	TWINAX13	A2	PERp0
B3	PETn0	--->	TWINAX13	A3	PERn0
B4	GROUND	----	TWINAX14	A4	GROUND
B5	PETp1	--->	TWINAX14	A5	PERp1
B6	PETn1	--->	TWINAX14	A6	PERn1
B7	GROUND	----	TWINAX15	A7	GROUND
B8	2-WIRE CLOCKA	--->	TWINAX15	A8	2-WIRE CLOCKA
B9	2-WIRE DATAA	--->	TWINAX15	A9	2-WIRE DATAA
B10	NO CONNECT	NC	NO WIRE	A10	NO CONNECT
B11	PERSTA#	--->	TWINAX16	A11	PERSTA#
B12	CPRSNTA#	--->	TWINAX16	A12	CPRSNTA#
B13	GROUND	----	TWINAX16	A13	GROUND
B14	PETp2	--->	TWINAX17	A14	PERp2
B15	PETn2	--->	TWINAX17	A15	PERn2
B16	GROUND	----	TWINAX17	A16	GROUND
B17	PETp3	--->	TWINAX18	A17	PERp3
B18	PETn3	--->	TWINAX18	A18	PERn3
B19	GROUND	----	TWINAX18	A19	GROUND
B20	NO CONNECT	NC	NO WIRE	A20	NO CONNECT
B21	NO CONNECT	NC	NO WIRE	A21	NO CONNECT
B22	GROUND	----	TWINAX19	A22	GROUND
B23	PETp4	--->	TWINAX19	A23	PERp4
B24	PETn4	--->	TWINAX19	A24	PERn4
B25	GROUND	----	TWINAX20	A25	GROUND
B26	PETp5	--->	TWINAX20	A26	PERp5
B27	PETn5	--->	TWINAX20	A27	PERn5
B28	GROUND	----	TWINAX21	A28	GROUND
B29	2-WIRE CLOCKB	--->	TWINAX21	A29	2-WIRE CLOCKB
B30	2-WIRE DATAB	--->	TWINAX21	A30	2-WIRE DATAB
B31	NO CONNECT	NC	NO WIRE	A31	NO CONNECT
B32	PERSTB#	--->	TWINAX22	A32	PERSTB#
B33	CPRSNTB#	--->	TWINAX22	A33	CPRSNTB#
B34	GROUND	----	TWINAX22	A34	GROUND
B35	PETp6	--->	TWINAX23	A35	PERp6
B36	PETn6	--->	TWINAX23	A36	PERn6
B37	GROUND	----	TWINAX23	A37	GROUND
B38	PETp7	--->	TWINAX24	A38	PERp7
B39	PETn7	--->	TWINAX24	A39	PERn7
B40	GROUND	----	TWINAX24	A40	GROUND

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

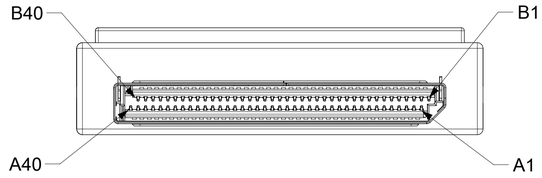
NOTE: CONNECTION DETERMINED BY PIN #. DESCRIPTION FOR REFERENCE ONLY.

P1



VIEW FROM MATING END OF CONNECTOR

P2



VIEW FROM MATING END OF CONNECTOR

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QUALITY SYMBOLS
A = 0
E = 0
P = 0
▼ = 0
C = 0
☒ = 0
■ = 0
V = 0

EC NO: 169624
DRWN: KBASAPPAKORA 2017/11/16
CHK'D: RHSU01 2017/12/18
APPR: RHSU01 2017/12/18
REV: E

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: mm
SCALE: NTS
DRWN BY: RWHIPPLE DATE: 2016/06/09
CHK'D BY: PKNAPP DATE: 2016/06/09
APPR BY: JCDEMPSEY DATE: 2016/06/15
DRAWING SIZE: D
THIRD ANGLE PROJECTION

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NPIO 8X RAD TO NPIO 8X STRAIGHT

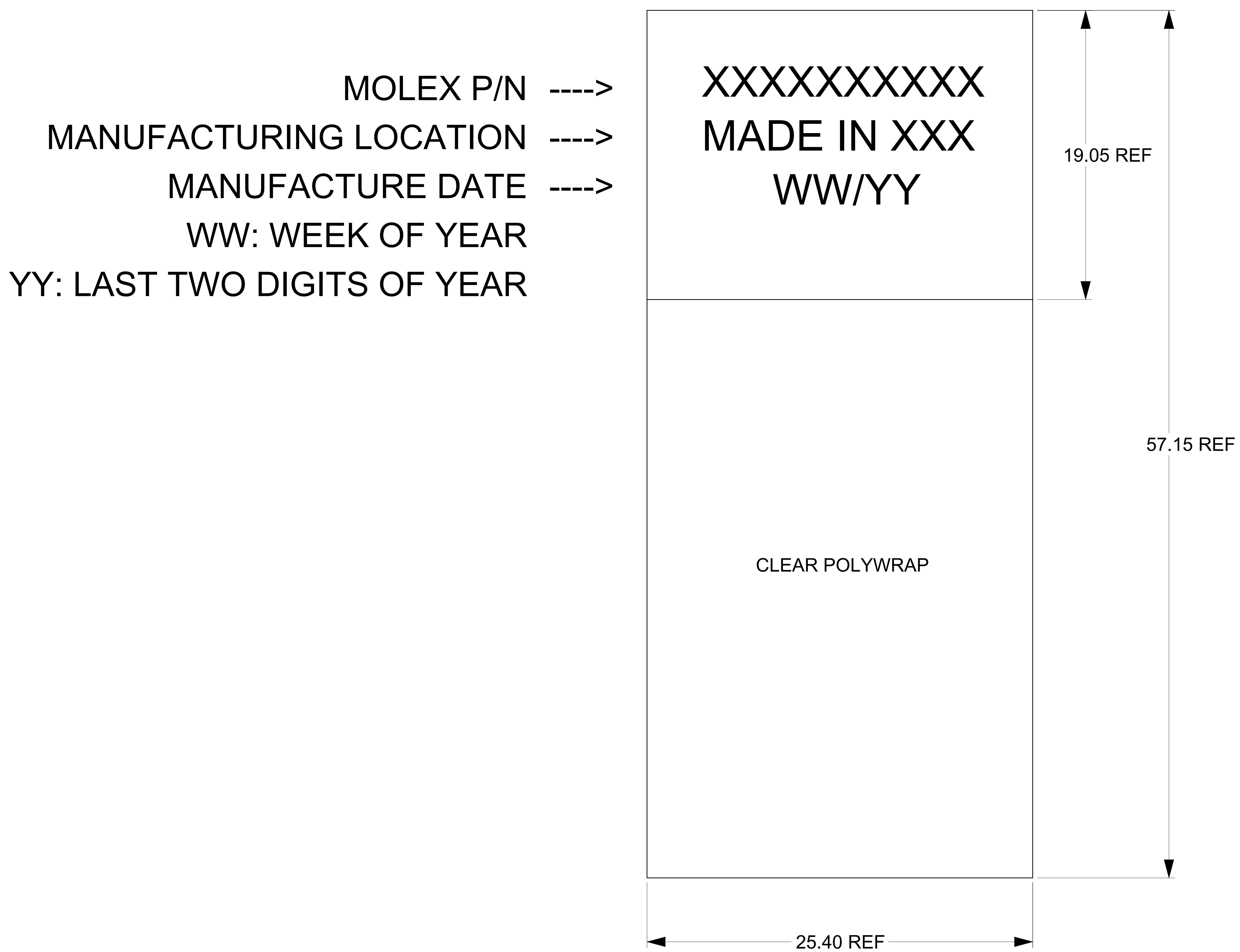
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
200227	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
2002271000	PSD	000	2 OF 3

RELEASE STATUS	P1	RELEASE DATE	2017/12/18 02:43:12

LABEL DETAIL



RELEASE STATUS	P1	RELEASE DATE	2017/12/18 02:43:12

FORMAT: master-tb-prod-D
REVISION: G
DATE: 2015/12/14

QUALITY SYMBOLS: FA = 0; FC = 0; FP = 0; ▼ = 0; C = 0; ⊠ = 0; ■ = 0; C = 0

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EC NO: 169624 2017/11/16
DRWN: KBASAPPAKORA 2017/12/18
CHK'D: RHSU01 2017/12/18
APPR: RHSU01
REV: E

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: mm	SCALE: NTS
DRWN BY: RWHIPPLE	DATE: 2016/06/09
CHK'D BY: PKNAPP	DATE: 2016/06/09
APPR BY: JCDEMPSEY	DATE: 2016/06/15
DRAWING SIZE: D	THIRD ANGLE PROJECTION

molex®

NPIO 8X RAD TO NPIO 8X STRAIGHT

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
200227	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
2002271000	PSD	000	3 OF 3