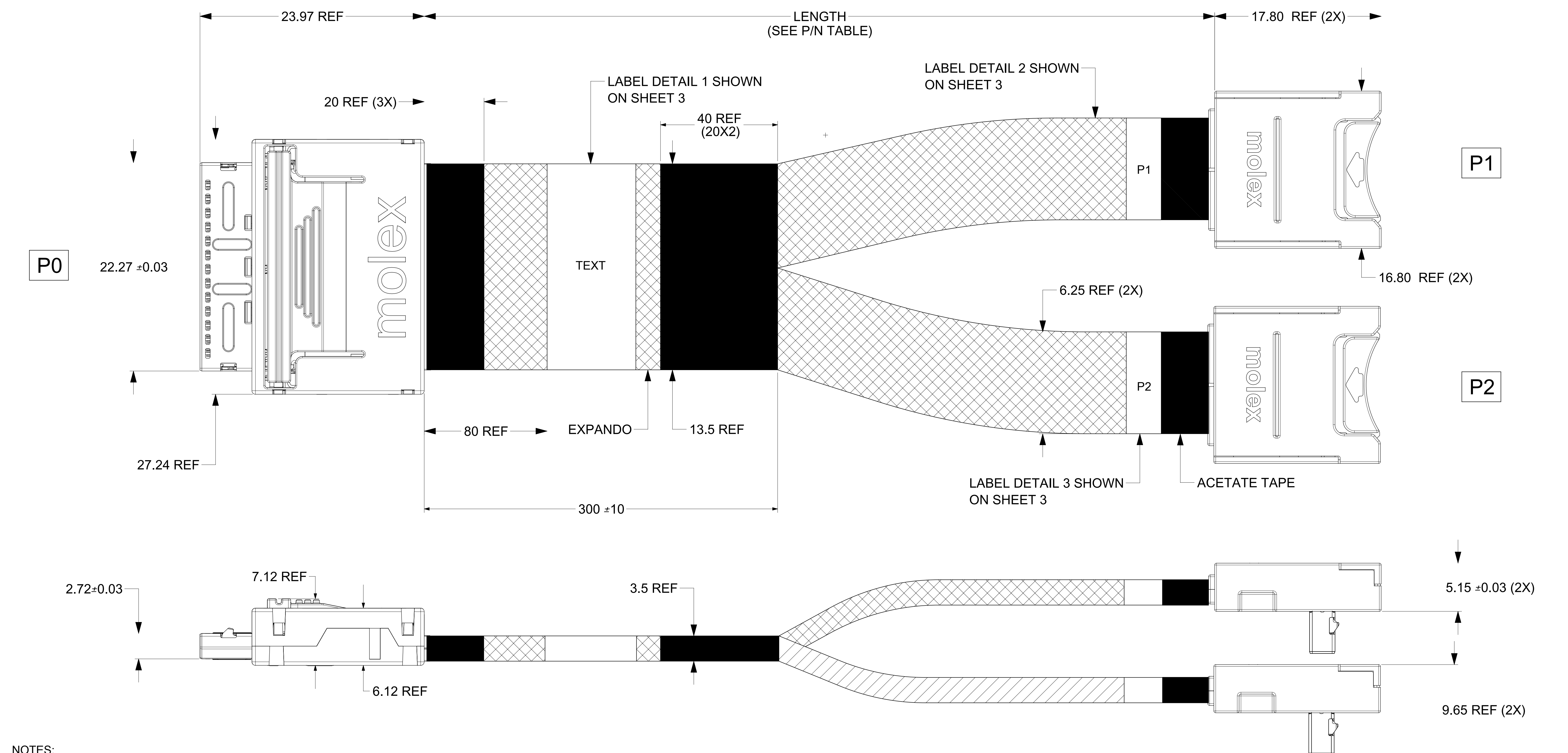


P0

P1

P2



- NOTES:
- 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 COATED COPPER
 - CONFORMS TO VW1
 - IMPEDANCE: 85-OHM
 - HALOGEN FREE
 - PCB
 - 8X PLUG MATES TO RIGHT-ANGLE AND VERTICAL RECEPTACLE SERIES 173162. 4X PLUGS MATE TO RIGHT-ANGLE RECEPTACLE SERIES 171982 AND VERTICAL RECEPTACLE SERIES 171983.
 - RoHS COMPLIANT. NO EXEMPTIONS.

P/N	LENGTH	TOLERANCE (mm)	RAW CABLE IMPEDANCE	AWG	MECHANICAL SPECIFICATION	ELECTRICAL SPECIFICATION
2050583020	600mm	±15	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0

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

SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC:
= 0	mm	2:1	
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
= 0	ANGULAR TOL	± °	
= 0	4 PLACES	±	
▼ = 0	3 PLACES	±	
= 0	2 PLACES	±	
= 0	1 PLACE	±	
= 0	0 PLACES	±	
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
c = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES
	⊙	D-SIZE	205058

EC NO: 645606
 DRWN: RCHEN34 2020/09/16
 CHK'D: VPENG01 2020/09/24
 APPR: VPENG01 2020/09/24

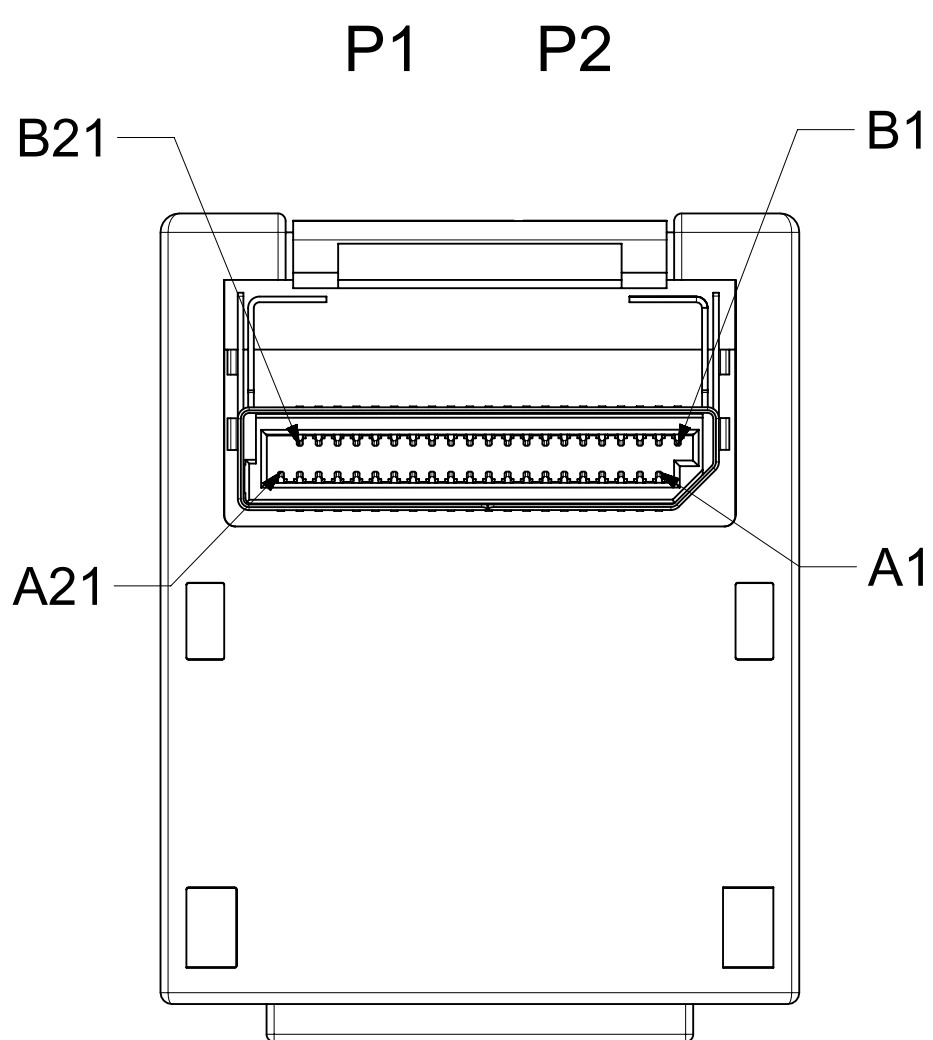
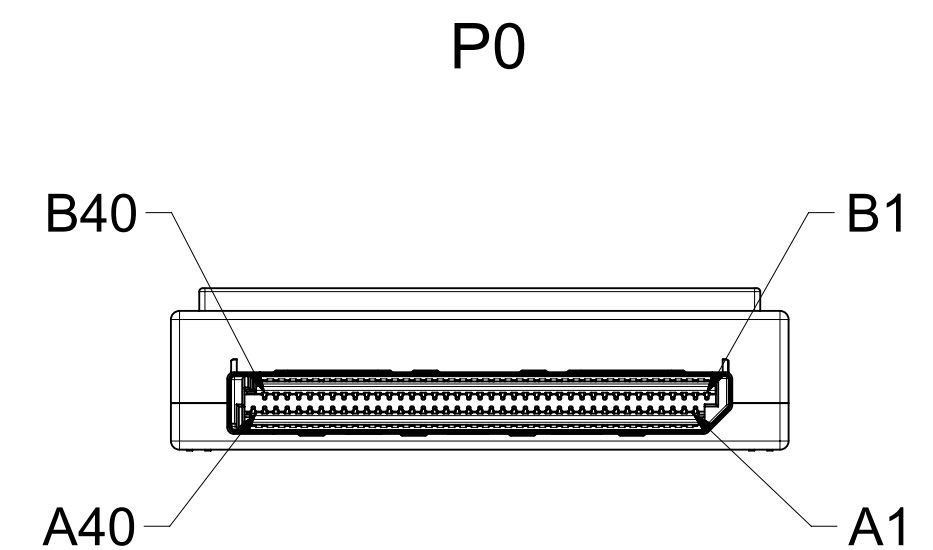
INITIAL REVISION:
 DRWN: RCHEN34 2019/01/23
 APPR: VPENG01 2019/03/22

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2050583020	PSD	000	F

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N TABLE	AQUARIUS	1 OF 4

PIN #	SIGNAL NAME		PIN#	SIGNAL NAME
	NO CONNECT	NC	B1	RESERVED
A1	GND	-----	B2	GND
A2	PERp0	<-----	B3	PETp0
A3	PERn0	<-----	B4	PETn0
A4	GND	-----	B5	GND
A5	PERp1	<-----	B6	PETp1
A6	PERn1	<-----	B7	PETn1
A7	GND	-----	B8	GND
A8	BP_TYPEA(VSPA)	<-----	B9	BP_TYPEA(VSPA)
A9	CWAKEA#,OBFFA (VSPA)	<-----	B10	CWAKEA#,OBFFA (VSPA)
A10	GND	NC	B11	GND
A11	REFCLKA+(VSPA+)	<-----	B12	REFCLKA+(VSPA+)
A12	REFCLKA-(VSPA-)	<-----	B13	REFCLKA-(VSPA-)
A13	GND	-----	B14	GND
A14	PERp2	<-----	B15	PETp2
A15	PERn2	<-----	B16	PETn2
A16	GND	-----	B17	GND
A17	PERp3	<-----	B18	PETp3
A18	PERn3	<-----	B19	PETn3
A19	GND	-----	B20	GND
A20	RESERVED	NC	B21	RESERVED
A21	RESERVED	NC	B1	RESERVED
A22	GND	-----	B2	GND
A23	PERp4	<-----	B3	PETp4
A24	PERn4	<-----	B4	PETn4
A25	GND	-----	B5	GND
A26	PERp5	<-----	B6	PETp5
A27	PERn5	<-----	B7	PETn5
A28	GND	-----	B8	GND
A29	BP_TYPEB(VSPB)	<-----	B9	BP_TYPEB(VSPB)
A30	CWAKEA#,OBFFB (VSPB)	<-----	B10	CWAKEA#,OBFFB (VSPB)
A31	GND	NC	B11	GND
A32	REFCLKB+(VSPB+)	<-----	B12	REFCLKB+(VSPB+)
A33	REFCLKB-(VSPB-)	<-----	B13	REFCLKB-(VSPB-)
A34	GND	-----	B14	GND
A35	PERp6	<-----	B15	PETp6
A36	PERn6	<-----	B16	PETn6
A37	GND	-----	B17	GND
A38	PERp7	<-----	B18	PETp7
A39	PERn7	<-----	B19	PETn7
A40	GND	-----	B20	GND
	NO CONNECT	NC	B21	RESERVED

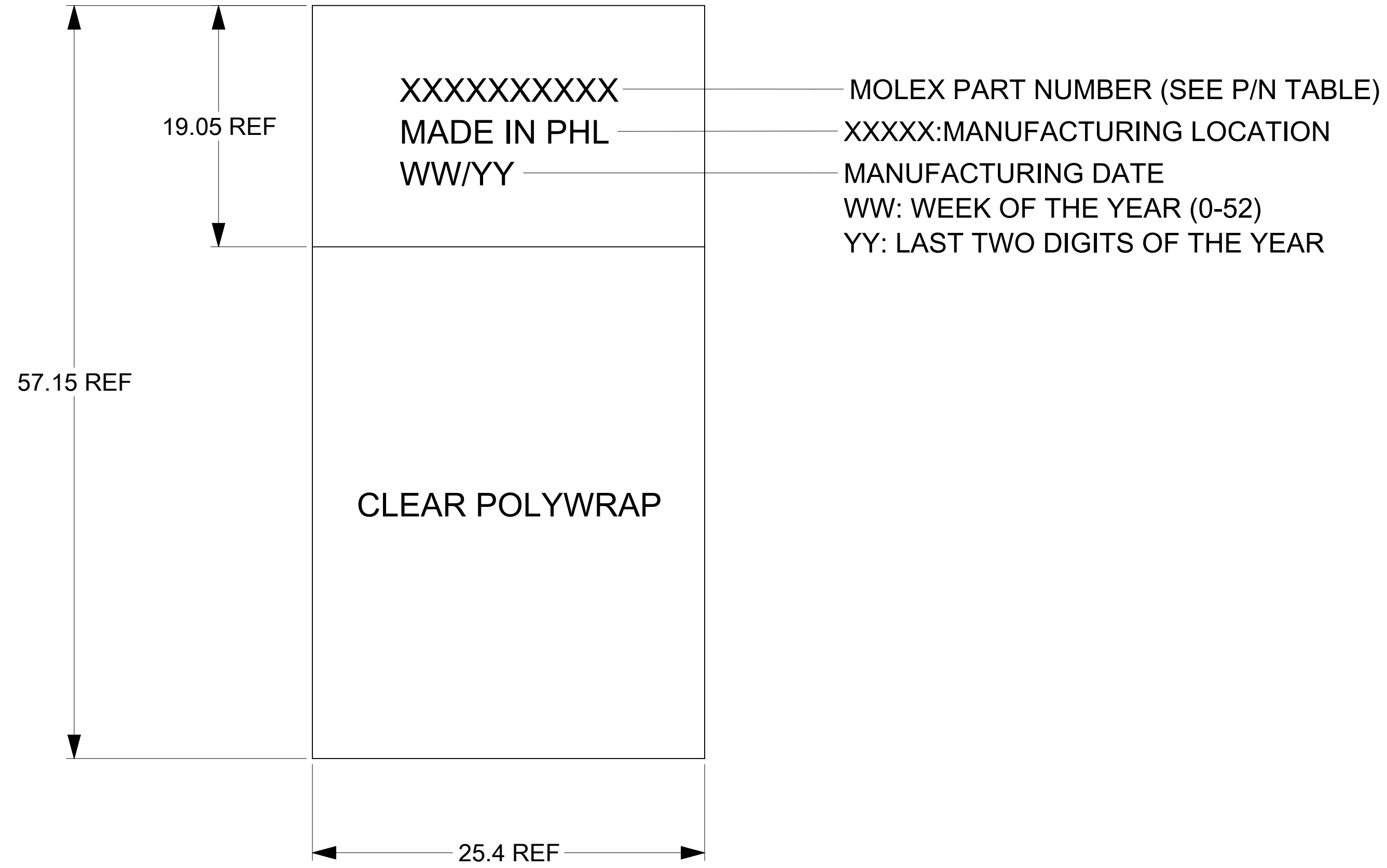
PIN #	SIGNAL NAME		PIN#	SIGNAL NAME
	NO CONNECT	NC	A1	RESERVED
B1	GND	-----	A2	GND
B2	PETp0	----->	A3	PERp0
B3	PETn0	----->	A4	PERn0
B4	GND	-----	A5	GND
B5	PETp1	----->	A6	PERp1
B6	PETn1	----->	A7	PERn1
B7	GND	-----	A8	GND
B8	2W-CLKA	----->	A9	2W-CLKA
B9	2W-DATAA	----->	A10	2W-DATAA
B10	GND	NC	A11	GND
B11	PERSTA#	----->	A12	PERSTA#
B12	CPRSNTA#	----->	A13	CPRSNTA#
B13	GND	-----	A14	GND
B14	PETp2	----->	A15	PERp2
B15	PETn2	----->	A16	PERn2
B16	GND	-----	A17	GND
B17	PETp3	----->	A18	PERp3
B18	PETn3	----->	A19	PERn3
B19	GND	-----	A20	GND
B20	RESERVED	NC	A21	RESERVED
B21	RESERVED	NC	A1	RESERVED
B22	GND	-----	A2	GND
B23	PETp4	----->	A3	PERp4
B24	PETn4	----->	A4	PERn4
B25	GND	-----	A5	GND
B26	PETp5	----->	A6	PERp5
B27	PETn5	----->	A7	PERn5
B28	GND	-----	A8	GND
B29	2W-CLKB	----->	A9	2W-CLKB
B30	2W-DATAB	----->	A10	2W-DATAB
B31	GND	NC	A11	GND
B32	PERSTB#(VSPSB)	----->	A12	PERSTB#
B33	CPRSNTB#(VSP6B)	----->	A13	CPRSNTB
B34	GND	-----	A14	GND
B35	PETp6	----->	A15	PERp6
B36	PETn6	----->	A16	PERn6
B37	GND	-----	A17	GND
B38	PETp7	----->	A18	PERp7
B39	PETn7	----->	A19	PERn7
B40	GND	-----	A20	GND
	NO CONNECT	NC	A21	RESERVED



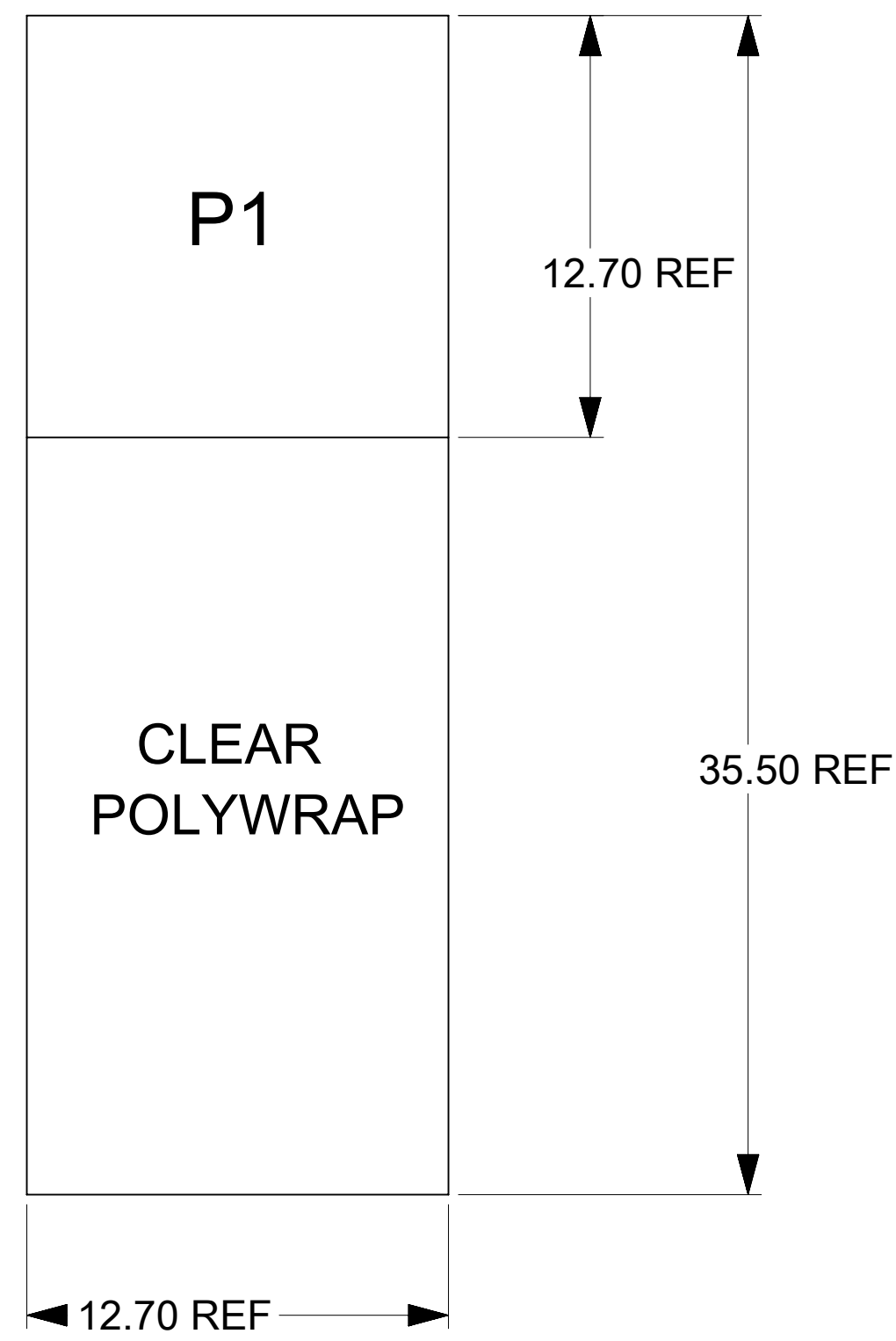
LEGEND
 ----- = THRU LINES
 -----> = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS
 <-----> = SIDEBAND
 NC = NOT CONNECTED

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
= 0	mm	SCALE	5:1
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
= 0	ANGULAR TOL	±	°
= 0	4 PLACES	±	
▼ = 0	3 PLACES	±	
= 0	2 PLACES	±	
= 0	1 PLACE	±	
= 0	0 PLACES	±	
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
c = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES
	⊙	D-SIZE	205058
CURRENT REV DESC:		EC NO: 645606	
		DRWN: RCHEN34 2020/09/16	
		CHK'D: VPENG01 2020/09/24	
		APPR: VPENG01 2020/09/24	
		INITIAL REVISION:	
		DRWN: RCHEN34 2019/01/23	
		APPR: VPENG01 2019/03/22	
DOCUMENT NUMBER		DOC TYPE	DOC PART
2050583020		PSD	000
REVISION		F	
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
SEE P/N TABLE	AQUARIUS	2 OF 4	

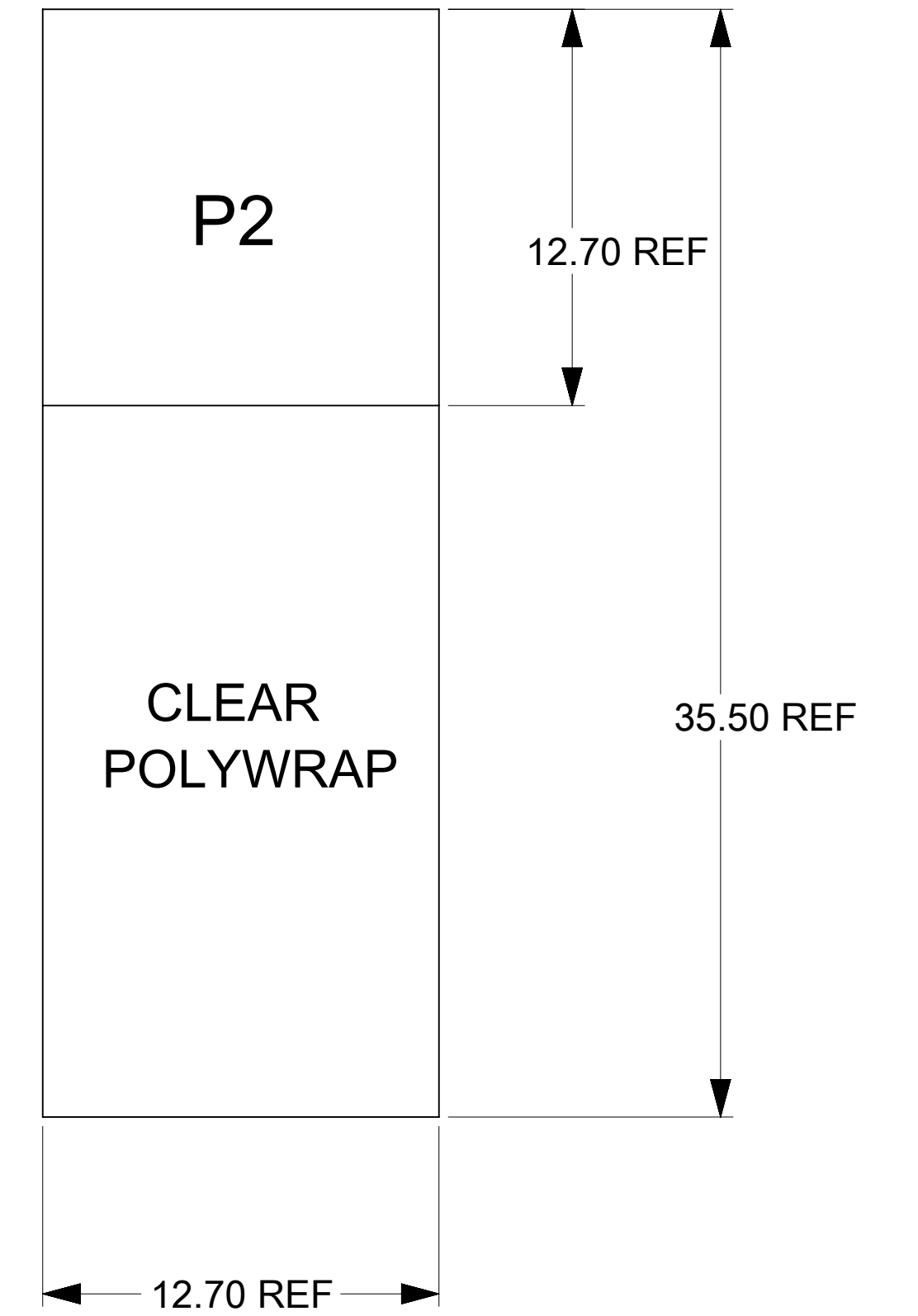
LABEL DETAIL 1



LABEL DETAIL 2



LABEL DETAIL 3



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	DIMENSION UNITS	SCALE	CURRENT REV DESC:									
= 0	mm	1:1										
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)											
= 0	ANGULAR TOL	± °										
= 0	4 PLACES	±										
▼ = 0	3 PLACES	±										
= 0	2 PLACES	±										
= 0	1 PLACE	±										
= 0	0 PLACES	±										
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER					CUSTOMER	SHEET NUMBER	
c = 0		☉ □	D-SIZE	205058	SEE P/N TABLE					AQUARIUS	3 OF 4	
			EC NO: 645606		NPIO 8X STR TO 2* 4X RA 600MM							
			DRWN: RCHEN34 2020/09/16									
			CHK'D: VPENG01 2020/09/24									
			APPR: VPENG01 2020/09/24									
			INITIAL REVISION:									
			DRWN: RCHEN34 2019/01/23		DOCUMENT NUMBER					DOC TYPE	DOC PART	REVISION
			APPR: VPENG01 2019/03/22		2050583020					PSD	000	F

REVISION HISTORY

DATE	REV	DESCRIPTION
2019/03/22	A	INITIAL RELEASE
2019/07/15	B	UPDATE CABLE LENGTH FROM 950MM TO 750MM
2019/07/19	C	G13 UPDATE THE CABLE LENGTH FROM 500MM TO 400MM
2019/7/25	D	UPDATE THE PINOUT TABLE TO CORRECT
2020/09/07	E	1. UPDATE THE (J,11) ACETATE TAPE LENGTH FROM 20MM TO 40MM
		2. UPDATE (G,13) LENGTH FROM 400M TO 300MM
		3. UPDATE THE CABLE LENGTH FROM 750MM TO 650MM
2020/09/16	F	UPDATE THE CABLE LENGTH FROM 650MM TO 600MM

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	DIMENSION UNITS	SCALE	CURRENT REV DESC:	
= 0	mm	1:1	NPIO 8X STR TO 2* 4X RA 600MM	
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 645606	
= 0	ANGULAR TOL	± °	DRWN: RCHEN34	2020/09/16
= 0	4 PLACES	±	CHK'D: VPENG01	2020/09/24
▼ = 0	3 PLACES	±	APPR: VPENG01	2020/09/24
= 0	2 PLACES	±	INITIAL REVISION:	
= 0	1 PLACE	±	DRWN: RCHEN34	2019/01/23
= 0	0 PLACES	±	APPR: VPENG01	2019/03/22
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES
c = 0			D-SIZE	205058
DOCUMENT STATUS		P1	RELEASE DATE	2020/09/24 10:29:19
DOCUMENT NUMBER			DOC TYPE	DOC PART
2050583020			PSD	000
MATERIAL NUMBER			CUSTOMER	SHEET NUMBER
SEE P/N TABLE			AQUARIUS	4 OF 4