

MOLEX P/N	LENGTH	TOLERANCE	RAW CABLE IMPEDANCE	AWG	MECHANICAL SPECIFICATION	ELECTRICAL SPECIFICATION
2002261000	300mm	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
2002261001	500mm	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
2002261002	1000mm	±15mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0
2002261003	200mm	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0 EXCEPT RETURN LOSS AND FITTED IL
2002261004	600mm	±10mm	85 Ohms	34	SFF-8611	PCI EXPRESS OCuLink SPECIFICATION REV 1.0

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
 - PCB - HALOGEN FREE
- PLUG MATES TO RIGHT-ANGLE AND VERTICAL RECEPTACLE SERIES 173162.
- RoHS COMPLIANT. NO EXCEPTIONS.
- MINIMAL GAP FROM TAPE TO BACKSHELL IS ACCEPTABLE.

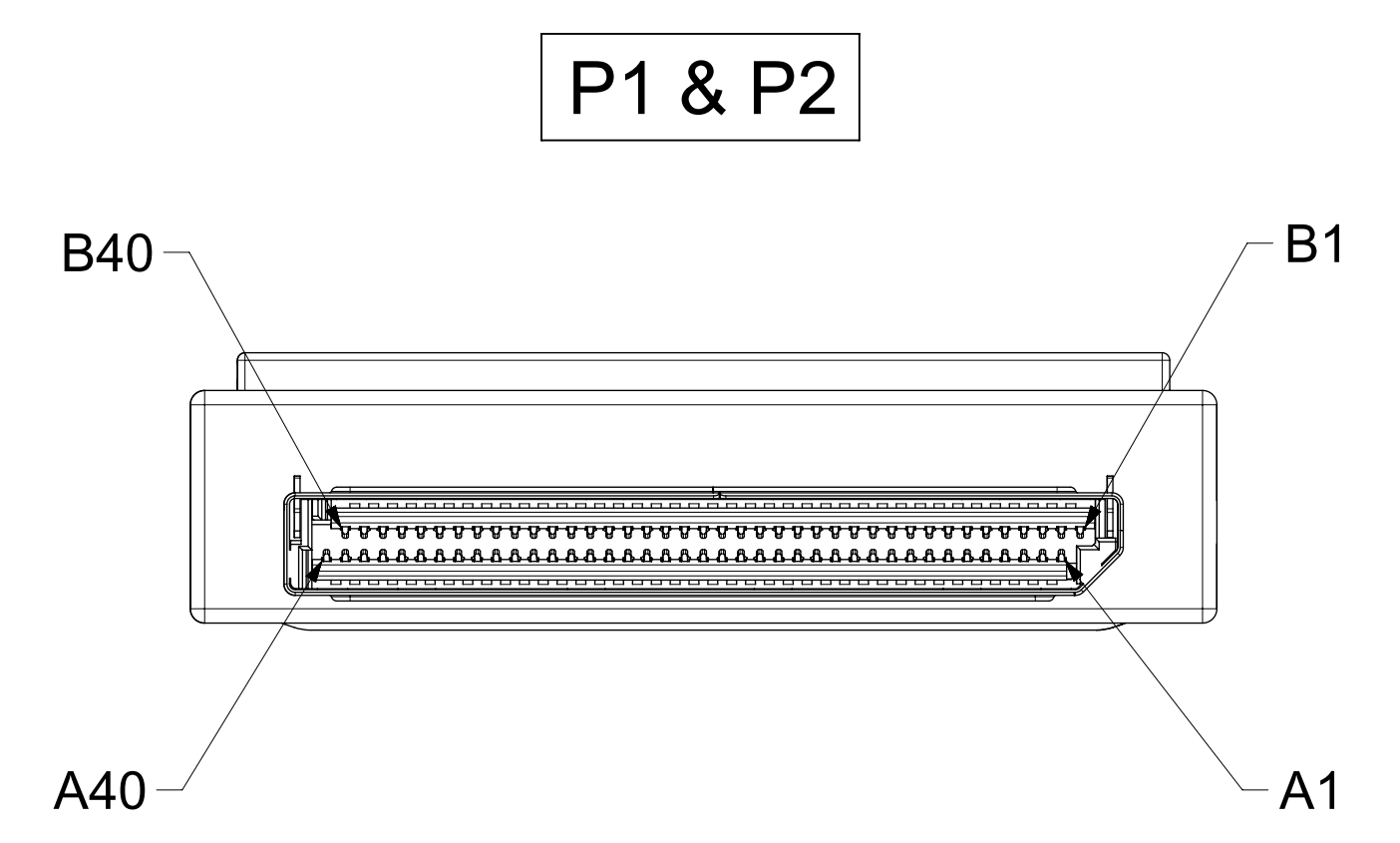
QUALITY SYMBOLS F = 0 E = 0 C = 0 D = 0 A = 0 B = 0 G = 0 H = 0 J = 0 K = 0 L = 0		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				DIMENSION UNITS: mm SCALE: NTS			
EC NO: 120766 DRWN: HLN24 CHKD: LOU01 REV APPR: RHSJ01		GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN BY: SSUTTER DATE: 2015/09/21 CHKD BY: SSUTTER DATE: 2016/03/18 APPR BY: JCDEMPSEY DATE: 2016/05/10		NP10 8X STRAIGHT TO NP10 8X STRAIGHT		PRODUCT CUSTOMER DRAWING	
RELEASE STATUS: P1 RELEASE DATE: 21.08.2017 02:26:59		DRAWING SIZE: D THIRD ANGLE PROJECTION		SERIES: 200226 MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET		DOCUMENT NUMBER: 2002261000 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 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	RESERVED
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	RESERVED
A21	RESERVED	NC	NO WIRE	B21	RESERVED
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	RESERVED
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 CLOKCA	<->	TWINAX15	A8	2-WIRE CLOKCA
B9	2-WIRE DATAA	<->	TWINAX15	A9	2-WIRE DATAA
B10	RESERVED	NC	NO WIRE	A10	RESERVED
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	RESERVED	NC	NO WIRE	A20	RESERVED
B21	RESERVED	NC	NO WIRE	A21	RESERVED
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 CLOKCB	<->	TWINAX21	A29	2-WIRE CLOKCB
B30	2-WIRE DATAB	<->	TWINAX21	A30	2-WIRE DATAB
B31	RESERVED	NC	NO WIRE	A31	RESERVED
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

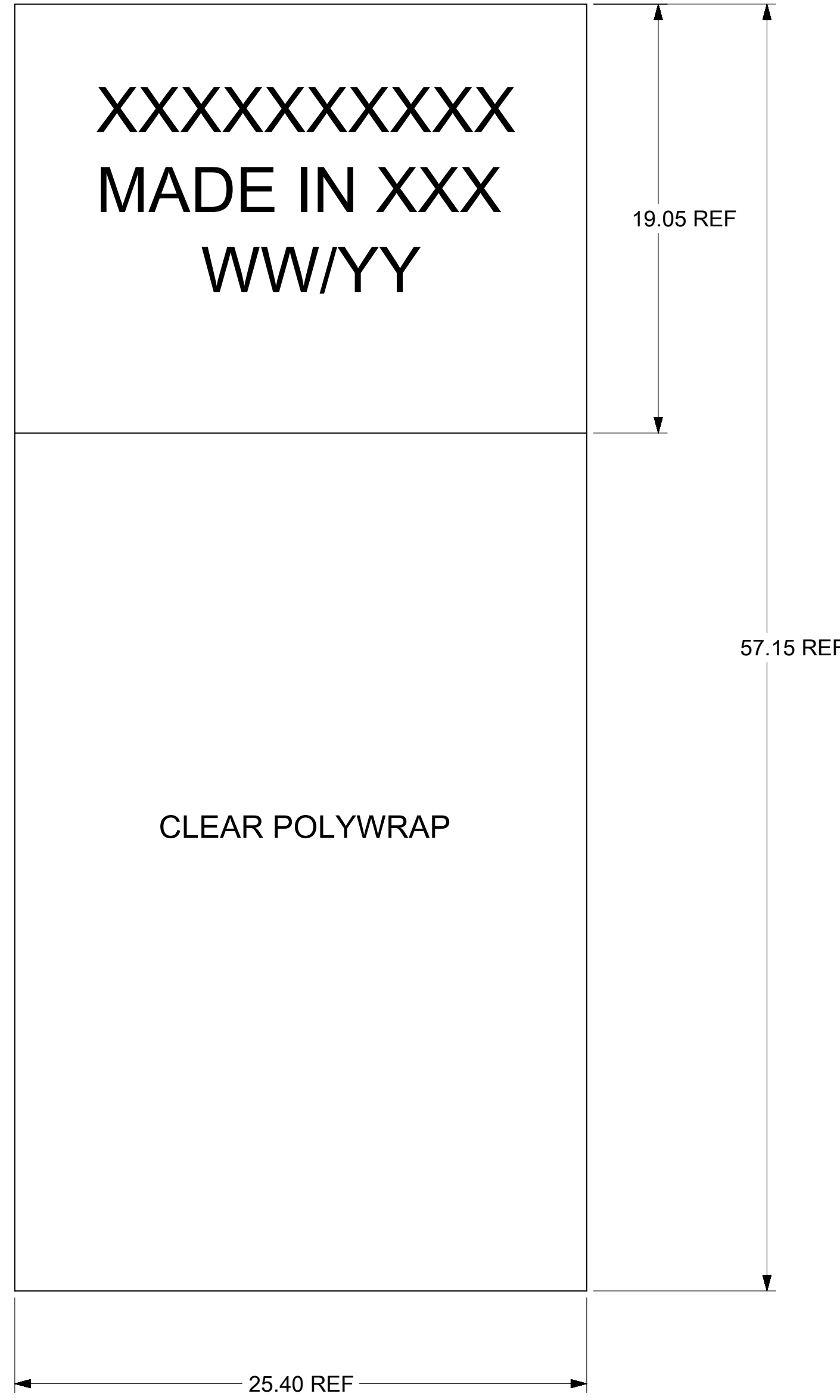
LEGEND
 ---- = THRU LINE
 ----> = TRANSMIT TO RECEIVE
 ON HIGH SPEED LINE
 <---> = SIDEBAND
 NC = NOT CONNECTED



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	EC NO: 120766 DRWN: HLN24 CHKD: LOU01 REV APPR: RHSJ01	2017/07/28 2017/08/17 2017/08/21	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 SSUTTER	DATE 2015/09/21	<div style="font-size: 24px; font-weight: bold; margin: 0;">molex</div> <p style="margin: 5px 0 0 0;">NPIO 8X STRAIGHT TO NPIO 8X STRAIGHT</p> <p style="margin: 5px 0 0 0; font-weight: bold;">PRODUCT CUSTOMER DRAWING</p>			
	APPR BY JCDEMPSEY	DATE 2016/03/18	APPR BY JCDEMPSEY	DATE 2016/05/10	DRAWING SIZE D	THIRD ANGLE PROJECTION 					
	SERIES 200226		MATERIAL NUMBER SEE TABLE			CUSTOMER GENERAL MARKET			DOCUMENT NUMBER 2002261000		
DOC TYPE PSD		DOC PART 000		SHEET NUMBER 2 OF 3							

LABEL DETAIL

MOLEX P/N ---->
 MANUFACTURING LOCATION ---->
 MANUFACTURE DATE ---->
 WW: WEEK OF YEAR
 YY: LAST TWO DIGITS OF YEAR



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▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	NP10 8X STRAIGHT TO NP10 8X STRAIGHT PRODUCT CUSTOMER DRAWING		
▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	DRWN BY: SSUTTER DATE: 2015/09/21			
▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	CHKD BY: SSUTTER DATE: 2016/03/18			
▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	APPR BY: JCDEMPSEY DATE: 2016/05/10			
▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE: D THIRD ANGLE PROJECTION	SERIES: 200226 MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET	
RELEASE STATUS	P1	RELEASE DATE	21.08.2017	02:26:59	DOCUMENT NUMBER		2002261000		DOC TYPE	PSD	DOC PART	000	SHEET NUMBER	3 OF 3