

MOLEX P/N	LENGTH	TOLERANCE (mm)	AWG	IMPEDANCE	EE SPEC	LABEL CONTEXT
2079901000	152mm	±10	32	100 OHMS	SAS 4.0	SAS4.0 100 Ohm
2079901001	300mm	±10	32	100 OHMS	SAS 4.0	SAS4.0 100 Ohm
2079901003	500mm	±10	32	100 OHMS	SAS 4.0	SAS4.0 100 Ohm
2079901002	1000mm	±15	32	100 OHMS	SAS 4.0	SAS4.0 100 Ohm
2079901300	152mm	±10	32	100 OHMS	SAS 3.0	SAS3.0 100 Ohm
2079901301	300mm	±10	32	100 OHMS	SAS 3.0	SAS3.0 100 Ohm
2079901302	1000mm	±15	32	100 OHMS	SAS 3.0	SAS3.0 100 Ohm
2079921001	300mm	±10	32	85 OHMS	PCle 4.0	PCle4.0 85 Ohm
2079921003	500mm	±10	32	85 OHMS	PCle 4.0	PCle4.0 85 Ohm
2079921002	1000mm	±15	32	85 OHMS	PCle 4.0	PCle4.0 85 Ohm
2079921005	350mm	±10	32	85 OHMS	PCle 4.0	PCle4.0 85 Ohm

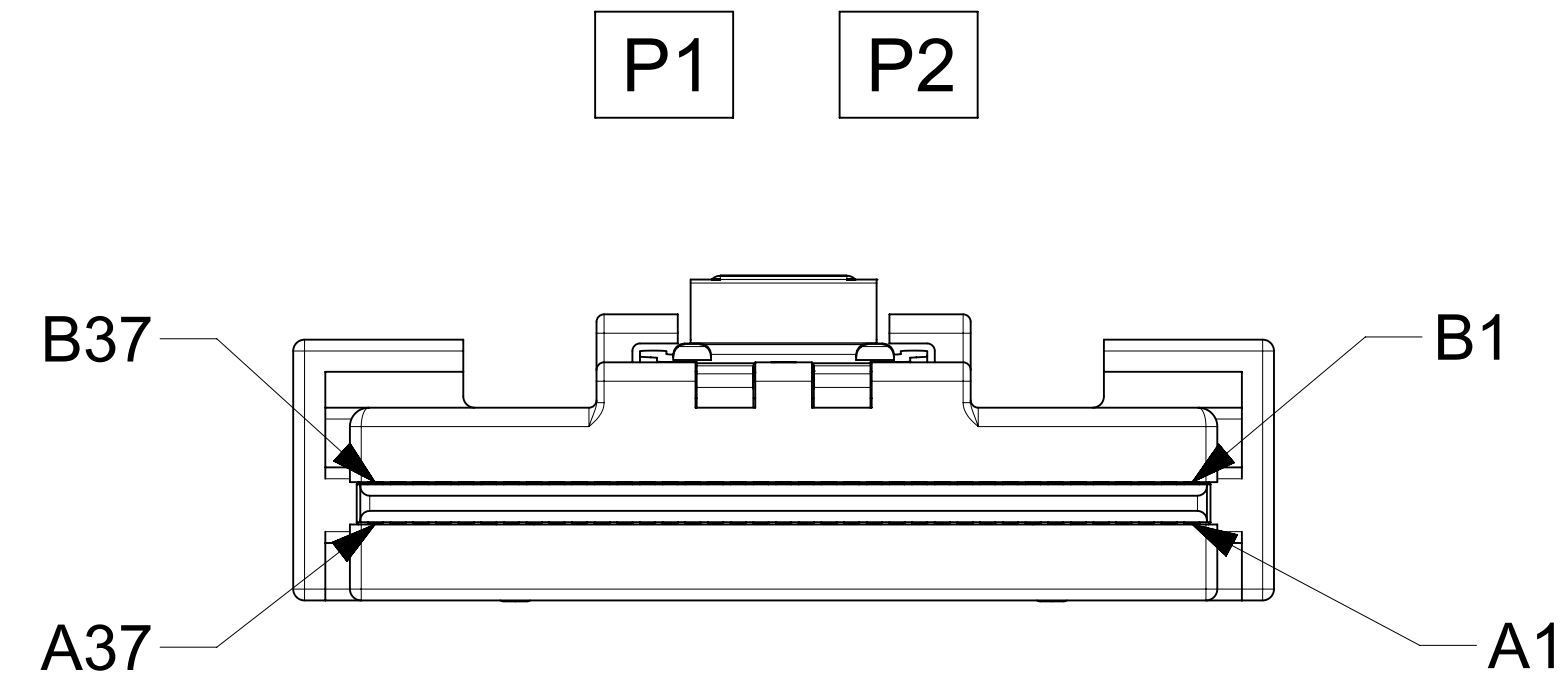
NOTES:  
 1. MATERIAL:  
 HOUSING - PC 94V-0 BLACK  
 LATCH - STAINLESS STEEL  
 EXPANDO - PET  
 CABLE - SHIELD: ALUMINIZED POLYESTER FOIL  
 - SIGNAL PAIR : SILVER-COATED OR TIN-COATED COPPER  
 - DRAIN: TIN-COATED COPPER  
 - CONFORMS TO VW1  
 PCB - FR4 (HALOGEN FREE)  
 2. THIS PRODUCT CONFORMS TO THE MECHANICAL DIMENSIONING OF SFF-8654  
 3. RoHS COMPLIANT. NO EXEMPTIONS

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		<b>molex</b>	
FA = 0	mm	SCALE	5:1	EC NO: 750333			
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		4 PLACES ±		DRWN: RICKK2	2023/05/19	SLIMSAS 8X STR TO STR CABLE ASSY.
FD = 0	ANGULAR TOL ± 3.0°		3 PLACES ± 0.2		CHK'D: RTSAI03	2023/05/23	
DIVISIONAL SYMBOLS		4 PLACES ±		APPR: RTSAI03		2023/05/23	PRODUCT CUSTOMER DRAWING
		2 PLACES ± 0.3		INITIAL REVISION:		DOCUMENT NUMBER	DOC TYPE
		1 PLACE ± 0.4		DRWN: LOU01		2018/06/28	DOC PART
		0 PLACES ±		APPR: VPENG01		2018/08/13	REVISION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		MATERIAL NUMBER	CUSTOMER
		D-SIZE		SERIES		207990	PSD
				SEE P/N TABLE		GENERAL MARKET	000
							D
							1 OF 3

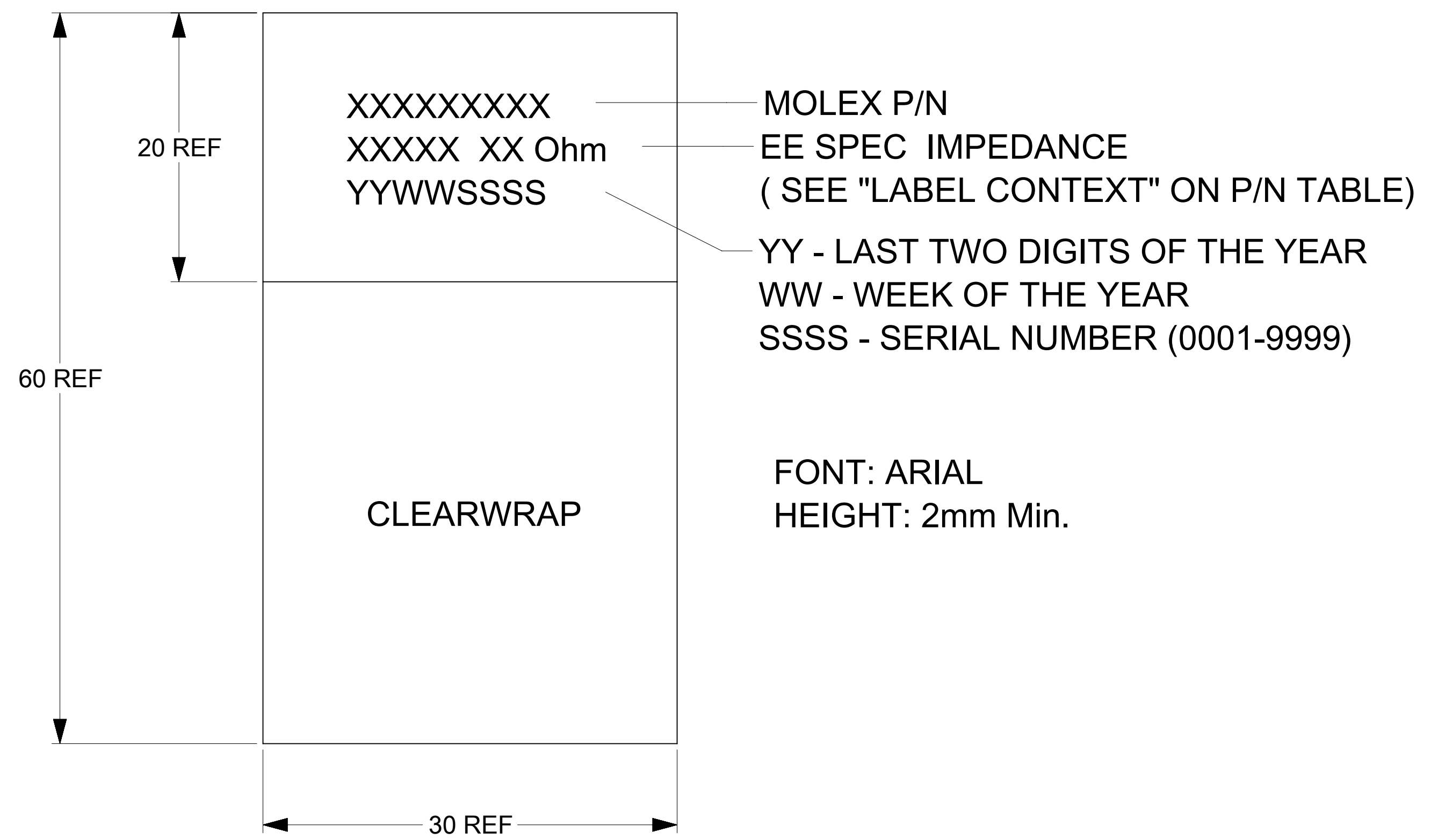
# PINOUT DIAGRAM

P1		SIGNAL TYPE	P2		P1		SIGNAL TYPE	P2	
GND	A1	—	B1	GND	GND	B1	—	A1	GND
RX0+	A2	←	B2	TX0+	TX0+	B2	→	A2	RX0+
RX0-	A3	←	B3	TX0-	TX0-	B3	→	A3	RX0-
GND	A4	—	B4	GND	GND	B4	—	A4	GND
RX1+	A5	←	B5	TX1+	TX1+	B5	→	A5	RX1+
RX1-	A6	←	B6	TX1-	TX1-	B6	→	A6	RX1-
GND	A7	—	B7	GND	GND	B7	—	A7	GND
SB	A8	↔	B8	SB	SB	B8	↔	A8	SB
SB	A9	↔	B9	SB	SB	B9	↔	A9	SB
SB	A10	↔	B10	SB	SB	B10	↔	A10	SB
SB	A11	↔	B11	SB	SB	B11	↔	A11	SB
SB	A12	↔	B12	SB	SB	B12	↔	A12	SB
GND	A13	—	B13	GND	GND	B13	—	A13	GND
RX2+	A14	←	B14	TX2+	TX2+	B14	→	A14	RX2+
RX2-	A15	←	B15	TX2-	TX2-	B15	→	A15	RX2-
GND	A16	—	B16	GND	GND	B16	—	A16	GND
RX3+	A17	←	B17	TX3+	TX3+	B17	→	A17	RX3+
RX3-	A18	←	B18	TX3-	TX3-	B18	→	A18	RX3-
GND	A19	—	B19	GND	GND	B19	—	A19	GND
RX4+	A20	←	B20	TX4+	TX4+	B20	→	A20	RX4+
RX4-	A21	←	B21	TX4-	TX4-	B21	→	A21	RX4-
GND	A22	—	B22	GND	GND	B22	—	A22	GND
RX5+	A23	←	B23	TX5+	TX5+	B23	→	A23	RX5+
RX5-	A24	←	B24	TX5-	TX5-	B24	→	A24	RX5-
GND	A25	—	B25	GND	GND	B25	—	A25	GND
SB	A26	↔	B26	SB	SB	B26	↔	A26	SB
SB	A27	↔	B27	SB	SB	B27	↔	A27	SB
SB	A28	↔	B28	SB	SB	B28	↔	A28	SB
SB	A29	↔	B29	SB	SB	B29	↔	A29	SB
SB	A30	↔	B30	SB	SB	B30	↔	A30	SB
GND	A31	—	B31	GND	GND	B31	—	A31	GND
RX6+	A32	←	B32	TX6+	TX6+	B32	→	A32	RX6+
RX6-	A33	←	B33	TX6-	TX6-	B33	→	A33	RX6-
GND	A34	—	B34	GND	GND	B34	—	A34	GND
RX7+	A35	←	B35	TX7+	TX7+	B35	→	A35	RX7+
RX7-	A36	←	B36	TX7-	TX7-	B36	→	A36	RX7-
GND	A37	—	B37	GND	GND	B37	—	A37	GND

→ = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS  
 — = GND  
 ↔ = SIDEBAND  
 NOTE: ALL SIGNAL GROUND ARE BUSSED IN PCB.



## LABEL DETAIL



FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_E = 0$ $\nabla_P = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:			
	DIMENSION UNITS: mm SCALE: 1:1	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL $\pm 3.0^\circ$				EC NO: 750333 DRWN: RICKK2 2023/05/19 CHK'D: RTSAI03 2023/05/23 APPR: RTSAI03 2023/05/23
	4 PLACES $\pm$ 3 PLACES $\pm 0.2$ 2 PLACES $\pm 0.3$ 1 PLACE $\pm 0.4$ 0 PLACES $\pm$	INITIAL REVISION: DRWN: LOU01 2018/06/28 APPR: VPENG01 2018/08/13				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: D-SIZE	SERIES: 207990		
DOCUMENT STATUS: P1 RELEASE DATE: 2023/05/23 02:34:16	MATERIAL NUMBER: 2079901000 CUSTOMER: GENERAL MARKET	DOC TYPE: PSD DOC PART: 000 REVISION: D	SHEET NUMBER: 2 OF 3			

REVISION HISTORY			
DATE	REV	DESCRIPTION	ENGINEER
2021/06/25	C	SHEET 01: ADDED NEW P/N: 2079921005 TO P/N TABLE.	SACHIN M K
2023/05/19	D	SHEET 1 : NOTE OTEM 1 AD OTHER OPTION TIN-COATED	RICKK2

<b>FUNCTIONAL SYMBOLS</b> FA = 0 FC = 0 FP = 0 <b>DIVISIONAL SYMBOLS</b>	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:													
	mm	1:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 750333								DOCUMENT NUMBER <b>2079901000</b>				
	ANGULAR TOL ± 3.0°			DRWN: RICKK2 2023/05/19												
	4 PLACES ±			CHK'D: RTSAI03 2023/05/23								DOC TYPE		DOC PART		REVISION
3 PLACES ± 0.2			APPR: RTSAI03 2023/05/23								PSD		000		D	
2 PLACES ± 0.3			INITIAL REVISION:								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
1 PLACE ± 0.4			DRWN: LOU01 2018/06/28								2079901000		GENERAL MARKET		3 OF 3	
0 PLACES ±			APPR: VPENG01 2018/08/13								SEE P/N TABLE		GENERAL MARKET		3 OF 3	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
					D-SIZE		207990		SEE P/N TABLE		GENERAL MARKET		3 OF 3			