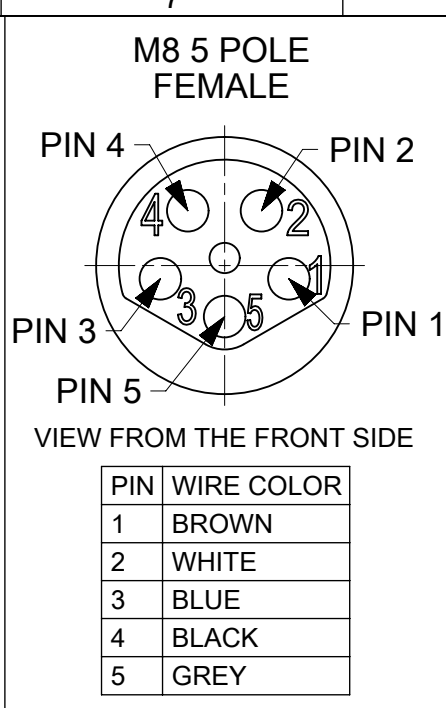
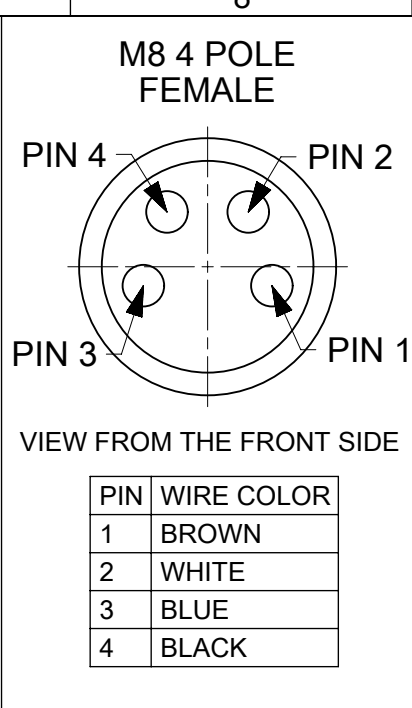
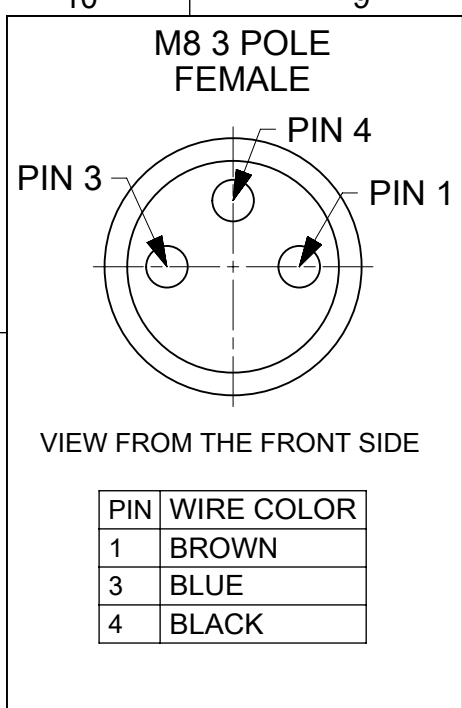




PART No. MATRIX

4	R	X	F	3	0	E	0	2	X	X	X	X	X
---	---	---	---	---	---	---	---	---	---	---	---	---	---

4R = M8 REC

Poles:
4 = 4 Poles
5 = 5 Poles
8 = 8 Poles

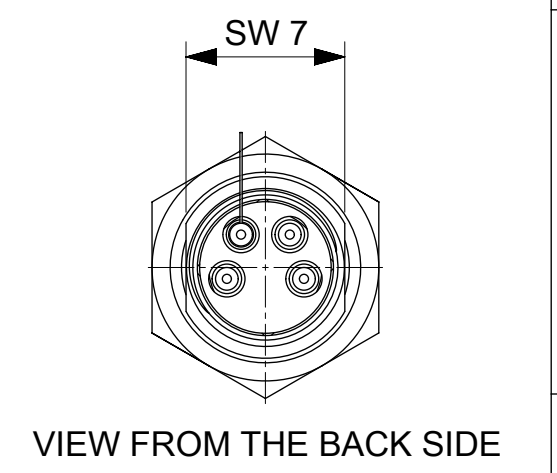
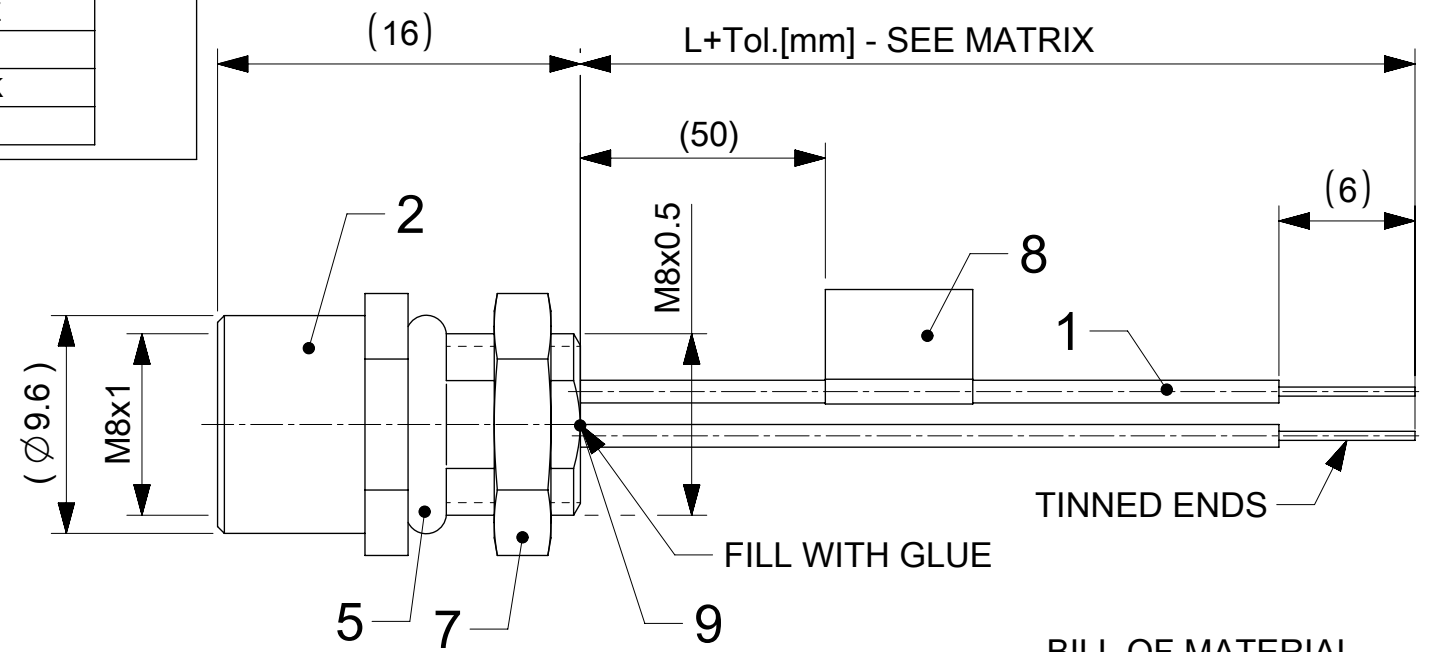
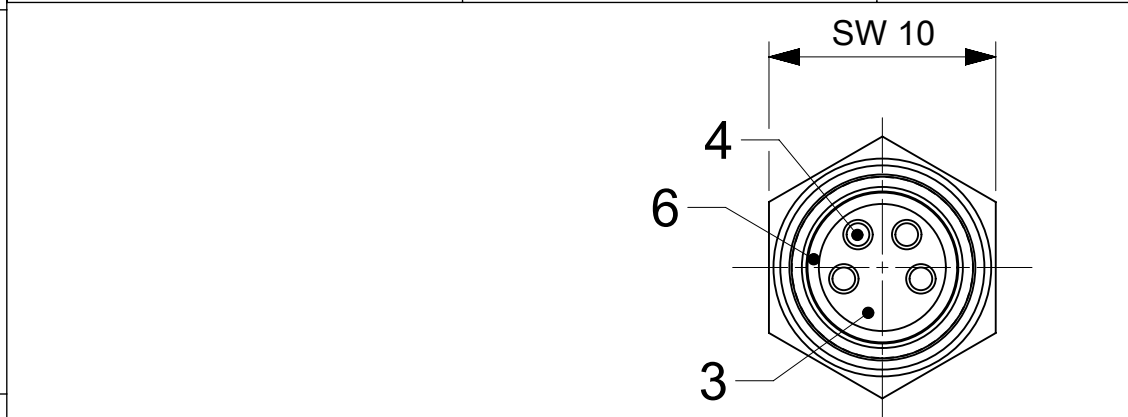
Shell Type

Wires
E02 = 0.25mm² PVC

Units:
M = Meters
C = Centimeters

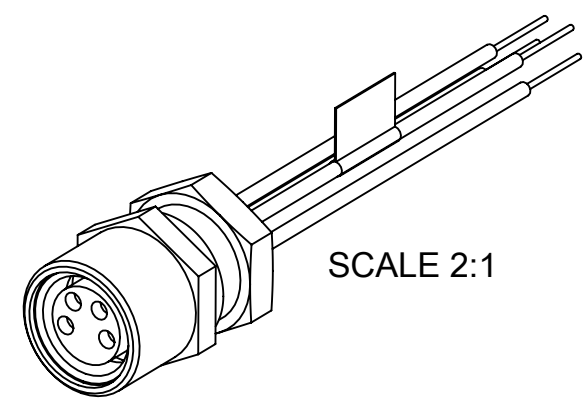
Length
Examples:
005 = 0.5 unit
010 = 1 unit
100 = 10 units

Shell material:
Blank = Aluminum
1 = stainless steel
3 = brass with nickel plated



M8 3-4-5P A-B Code:
ELECTRICAL DATA:
3P VOLTAGE RATING: 60V
4-5P VOLTAGE RATING: 30V
AMPERAGE RATING: 3A
INSULATION RESISTANCE: 10⁸ Ω MIN.
MATING CYCLES: MIN. 100

ENVIRONMENTAL:
PROTECTION: IP65 in mated and locked position.
OPERATING TEMPERATURE: -25°C TO +85°C
PACKAGING ACCORDING TO PACKAGING SPEC. 1201202000



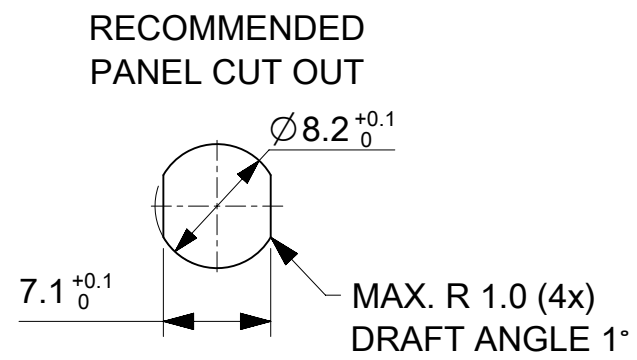
BILL OF MATERIAL

9	-	POTTING MATERIAL	WEVO	-
8	1	LABEL	VINYL	YELLOW
7	1	LOCKNUT M8X0.5	BRASS	NICKEL PLATED
6	1	GASKET	FKM	RED
5	1	O-RING	NBR	BLACK
4	3/4/5	CONTACT 10 FE	BRONZE	GOLD OVER NICKEL PLATED
3	1	INSERT M8 FE 5P	ELASTOLLAN	BLACK
2	1	REC SHELL M8(FE)XM8(M)	BRASS	NICKEL PLATED
1	-	WIRE;24AWG;OD=1.43mm	PVC	GRAY
	-	WIRE;24AWG;OD=1.43mm		BROWN
	-	WIRE;24AWG;OD=1.43mm		WHITE
	-	WIRE;24AWG;OD=1.43mm		BLUE
	-	WIRE;24AWG;OD=1.43mm		BLACK
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR

PART LIST

MOLEX PN	ENGINEERING NO.	LENGTH (MM)
1200905071	4R3F30E02C200	2000
1200310015	4R3F30E02C3003	3000
1200310053	4R3F30E02M0203	2000
1200905076	4R4F30E02C200	2000
1200908035	4R4F30E02C2103	2100
1200908011	4R4F30E02C300	3000
1200310049	4R4F30E02C3003	3000
1200905106	4R5F30E02C200	2000
1200310028	4R5F30E02C3003	3000

DOCUMENT STATUS	P1	RELEASE DATE	2023/11/30	13:30:45
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Over	Up to and including	Tolerance
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% of length

FUNCTIONAL SYMBOLS
FA=0
FE=0
FV=0

DIVISIONAL SYMBOLS

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

SCALE
mm 3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 1.0°
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.05
1 PLACE ± 0.3
0 PLACES ± 0.5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: PACKAGING SPEC ADDED

EC NO: 770174
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER
2023/10/18
2023/11/30
2023/11/30

INITIAL REVISION:
DRWN: MDHARMANTI
APPR: RSILLER
2022/04/05
2022/04/08

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
120090

DOCUMENT NUMBER
1200905076

CUSTOMER
GENERAL MARKET

SHEET NUMBER
1 OF 1

DOC TYPE
PSD

DOC PART
000

REVISION
A1

molex

REC M8 5P BC FE STR PVC M8 FM WIR UNSH

PRODUCT CUSTOMER DRAWING

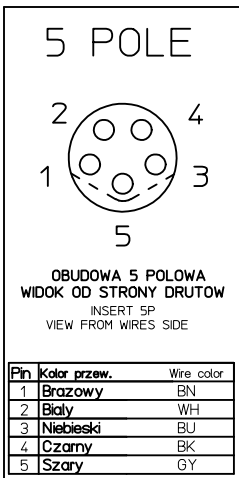
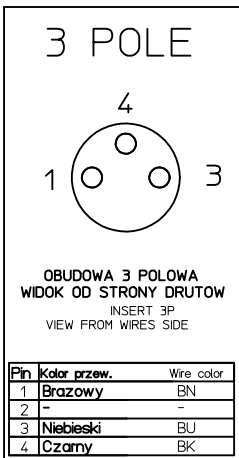


TABELA 1
CHART 1

MOLEX PN	WOODHEAD PN	L(mm)	TYP
1200310015	4R3F30E02C3003	300	3 POLOWY
1200310053	4R3F30E02M0203	2000	3 POLOWY
1200310034	4R4F30E02C2003	200	4 POLOWY
1200310049	4R4F30E02C3003	300	4 POLOWY
1200310058	4R4F30E02M0103	1000	4 POLOWY
1200310028	4R5F30E02C3003	300	5 POLOWY
1200310111	4R4F30E02M010	1000	4 POLOWY
1200905002	4R4F30E03M0203	2000	4 POLOWY
1200908011	4R4F30E02C300	300	4 POLOWY

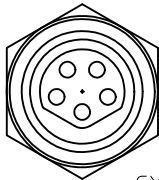
Tablica tolerancji dlugosci
Table of length tolerances

Powyzej Over	Do-wlacznie Up to and including	Tolerancja (+) Tolerance
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% dlugosci of length

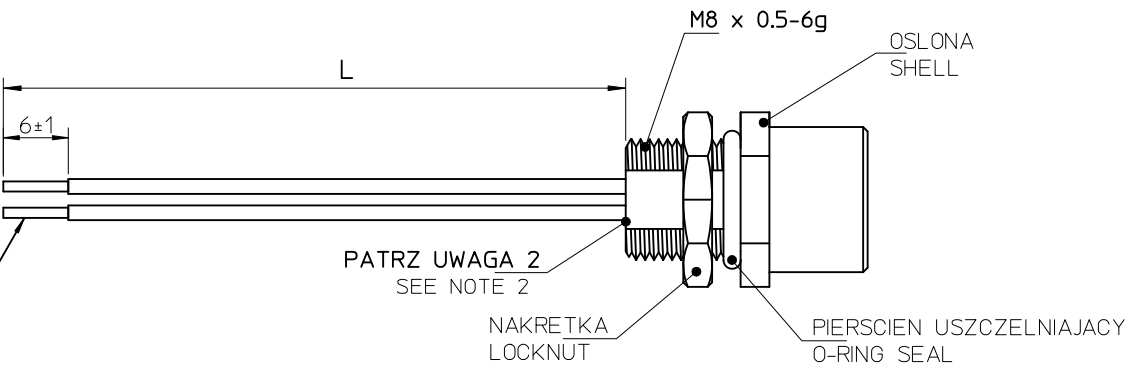
PART No MATRIX

4	R	X	F	3	0	E	0	2	X	X	X	X	3
4-Nano Change	R-Receptacle	3-3 Core 4-4 Core 5-5 Core	F30-Female receptacle			E02 - 0.25mm PVC E03 - 0.34mm PVC			C-Centimetres I-Inches			LENGTH C300-30 Centimetres C650-150 Centimetres M010-11-1000MM	SHELL MATERIAL 3-Braze Nickel Plated

WIDOK OD STRONY CZOLA
FACE VIEW



CYNOWAC
TINNED

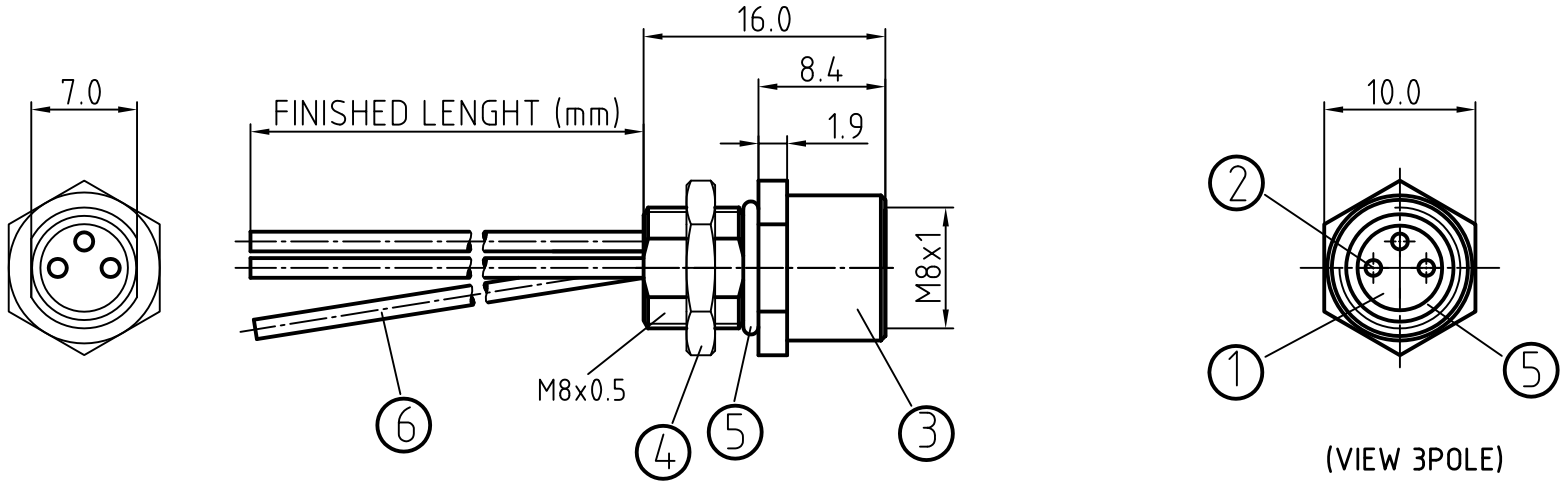


- UWAGI:
- DLUGOSC CIECIA I SPECYFIKACJE NABIJANIA WEDLUG LISTY CIECIA.
 - PO OSADZENIU TERMINALI ZALAC KLEJEM.

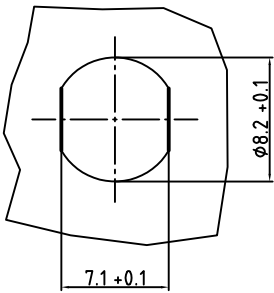
- NOTES:
- FOR CUTTING LENGTH AND CRIMPING SPECIFICATION SEE CUTTING LIST.
 - AFTER ASSEMBLED TERMINALS THE CONNECTOR MUST BE FLOOD BY GLUE.

ORIGINAL RELEASE EC NO: WEU2009-0439 DRWN: MWOLSZCZAK 2009/06/04 CHKD: APPR: MDYSZEWSKA 2011/12/08	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION	
					DRAWN BY MWOLSZCZAK	DATE 2008/05/10	TITLE NC-XP-FE-REC-XXXM-M8-THD.			
					CHECKED BY MDABROWSKA	DATE 2008/05/10				
					APPROVED BY MDYSZEWSKA	DATE 2011/12/08	MOLEX INCORPORATED			
					ANGULAR ±---°					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE DRAWING					
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

FEMALE FACE VIEW					
3 POLE		4 POLE		5 POLE	
Pin No.	Wire	Pin No.	Wire	Pin No.	Wire
1	Brown	1	Brown	1	Brown
2	—	2	White	2	White
3	Blue	3	Blue	3	Blue
4	Black	4	Black	4	Black
				5	Black Grey



PANEL CUT OUT



POLE	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGHT (MM)
3	1200310015	4R3F30E02C3003	300±25
4	1200310034	4R4F30E02C2003	200±25
5	1200310028	4R5F30E02C3003	300±25

CONNECTOR SPECIFICATION:	
VOLTAGE RATING	3-4POL:60V/AC 75V/DC 5POL:30V/AC 36V/DC
AMPERAGE RATING	3 AMPS
PROTECTION	IP67
OPERATING TEMPERATURE	-25°C TO +90°C

ITEM	COMPONENT	MATERIAL	FINISH
1	INSERT	POLYURETHANE (PUR)	BLACK
2	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL
3	SHELL	BRASS	NICKEL PLATED
4	LOCKNUT	BRASS	NICKEL PLATED
5	O-RING	VITON	
6	COPPER STRANDING AWG24/0.25mm ²	JACKET: PVC	

DESCRIPTION EC NO: WEU2010-0338 DRWN: REISSNER 2010/02/18 CHKD: RE APPR: FPACHER 2010/02/24	DESCRIPTION	QUALITY SYMBOLS ▽ = 0 ▽C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY REISSNER	DATE 2010/02/18	NC-XP-FE-REC-XM AWG24-PVC FRONT MOUNT			
			4 PLACES	±---	±---	CHECKED BY FP	DATE 2010/02/18				
			3 PLACES	±---	±---	APPROVED BY DATE		molex MOLEX INCORPORATED			
			2 PLACES	±---	±---	FPACHER	2010/02/19				
			1 PLACE	±0.1	±---	MATERIAL NO. SEE TABLE					DOCUMENT NO. SD-120090-028
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				