

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

80X007XXXXXX

80=M12x1
Single ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

Heads style:
007=Plug Male
90° Angled

Cable type: See Table

Units:
M=Meter

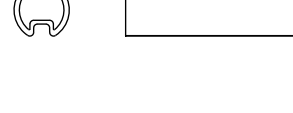
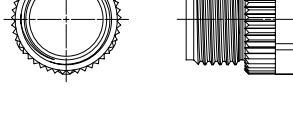
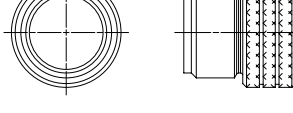
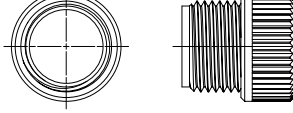
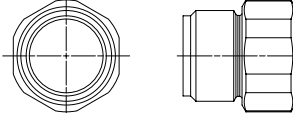
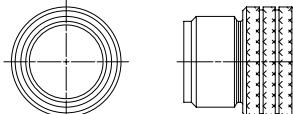
Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
9=Knurled / Hexagonal Brass Ni Plated

H= 2 pcs. of I/D Carrier PVC Transparent

COUPLING NUTS



CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E02	8	0.25mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H08	8	0.25mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
P02	8	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
E13	3	18AWG	PVC YELLOW	UL 2661/1731	I/II A/B 80°C/300V	-	-	-	-
E52	4	0.34mm²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
H69	4	0.20mm²	PUR GREY LS0H	-	-	-	-	-	-
I03	3 / 4 / 5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
K03	4 / 5	0.34mm²	TPE YELLOW	-	I/II A/B 90°C/300V	-40°C to +105°C	-	-	-
K05	3 / 4 / 5	0.34mm²	TPE YELLOW	UL ITC E195601 or PLC	I/II A/B 90°C/300V	-	-	-	-
P12	5	0.50mm²	PUR BLACK	-	-	-30°C to +90°C	-5°C to +90°C	-	-
P82	4	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, 5xO.D.	-40°C to +105°C, 7.5xO.D.	-	-
I02	8	0.25mm²	PVC GREY	-	-	-	-	-	-
S20	3 / 4	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES

FORMAT: mox-000-005-A3
REVISION: 11
DATE: 2021/05/01

FUNCTIONAL SYMBOLS

 A = 0

 E = 0

 F = 0

DIVISIONAL SYMBOLS

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

DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL

± 1.0 °

4 PLACES

±

3 PLACES

±

2 PLACES

± 0.05

1 PLACE

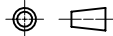
± 0.3

0 PLACES

± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION



DRAWING

A3-SIZE

SERIES

120065

MATERIAL NUMBER

SEE SHEET 3

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 4

CURRENT REV DESC: PN AND CABLE TAKEN FROM DRAWING 1200658327, LAYOUT REVISED

EC NO: 822575

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

2025/05/12

2025/05/20

2025/05/20

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2016/01/14

2016/04/08

DOCUMENT NUMBER

1200659138

DOC TYPE

PSD

DOC PART

000

REVISION

A9



CSE M12 XP AC MA RA XM SE

PRODUCT CUSTOMER DRAWING

DOCUMENT STATUS

P1

RELEASE DATE

2025/05/20

07:26:54

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	PART LIST										
F	MOLEX P/N			ENGINEERING No.			L [mm]				F
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	1200658567	803007E03M010	1000								
	1200060273	803007E03M020	2000								
	1200658568	803007E03M030	3000								
	1200658569	803007E03M040	4000								
	1200060275	803007E03M050	5000								
	1200658506	803007E03M100	10000								
E	4P CABLE E03										E
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	1200062638	804007E03M006	600								
	1200060582	804007E03M010	1000								
	1200062680	804007E03M0101	1000								
	1200657170	804007E03M015	1500								
	1200061975	804007E03M020	2000								
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	1200060584	804007E03M050	5000								
	1200062682	804007E03M0501	5000								
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	1200657174	804007E03M150	15000								
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C	1200064280	804007E03M200	20000								C
	1200063656	804007E03M2001	20000								
	1200657325	804007									

MOLEX P/N	ENGINEERING No.	L [mm]
5P CABLE E03		
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1200062929	805007E03M050	5000
1200062498	805007E03M100	10000
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3P CABLE E13		
1200658229	803007E13M050	5000
4P CABLE E52		
1200063831	804007E52M100	10000
8P CABLE H08		
1200658755	808007H08M010	1000
1200658756	808007H08M015	1500
1200658757	808007H08M020	2000
1200658758	808007H08M030	3000
1200658759	808007H08M040	4000
1200658760	808007H08M050	5000
1200658761	808007H08M100	10000
3P CABLE H09		
1200658720	803007H09M010	1000
1200658721	803007H09M015	1500
1200658722	803007H09M020	2000
1200658723	803007H09M030	3000
1200658724	803007H09M040	4000
1200658725	803007H09M050	5000
1200658726	803007H09M100	10000
4P CABLE H09		
1200658734	804007H09M010	1000
1200658735	804007H09M015	1500
1200658736	804007H09M020	2000
1200658737	804007H09M030	3000
1200658738	804007H09M040	4000
1200658739	804007H09M050	5000
1200658740	804007H09M100	10000
5P CABLE H09		
1200658748	805007H09M010	1000
1200658749	805007H09M015	1500
1200658750	805007H09M020	2000
1200658751	805007H09M030	3000
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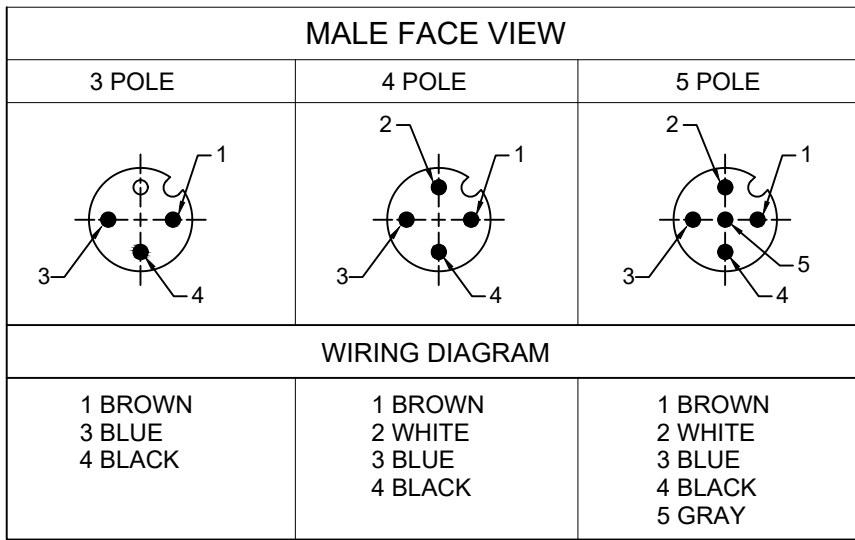
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1200659249	805007P03M050Y	5000
1200652149	805007P03M060	6000
1200655006	805007P03M100	10000
1200659151	805007P03M150	15000
1200659231	805007P03M200	20000
5P CABLE P12		
1200658521	805007P12M006	600
1200062304	805007P12M015	1500
1200658522	805007P12M020	2000
1200659204	805007P12M050	5000
4P CABLE P82		
1200658005	804007P82M0107	1000
1200655015	804007P82M0507	5000
1200655016	804007P82M1007	10000
1200655017	804007P82M2007	20000
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1200658596	803007I03M010	1000
1200658597	803007I03M040	4000
1200658598	803007I03M100	10000
4P CABLE I03		
1200658602	804007I03M010	1000
1200060589	804007I03M020	2000
1200658603	804007I03M030	3000
1200658604	804007I03M040	4000
5P CABLE I03		
1200658327	805007I03M015	1500
1200659172	805007I03M100A	10000
4P CABLE K03		
1200651686	804007K03M005	500
1200651687	804007K03M020	2000
1200651688	804007K03M050	5000
1200651689	804007K03M060	6000
1200652026	804007K03M100	10000
5P CABLE K03		
1200659228	805007K03M010	1000

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	1200658515	804007E03M0501H	5000								
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	1200658516	804007E03M1001H	10000								
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C	1200064280	804007E03M200	20000								C
	1200063656	804007E03M2001	20000								
	1200657325	804007									

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C											

F

EDFECBAA



NOTES:

1. MATERIAL: AS NOTED

2. FINISH: AS NOTED

3. ELECTRICAL:

VOLTAGE: 250VAC/VDC

CURRENT: 4A

4. TEMP RATING: -20°TO +105°C

5. PROTECTION: IP67 (WHEN MATED)

6. COUPLING THREAD: M12X1

7. UL RECOGNIZED FILE: E152210

CSA CERTIFIED FILE: LR6837

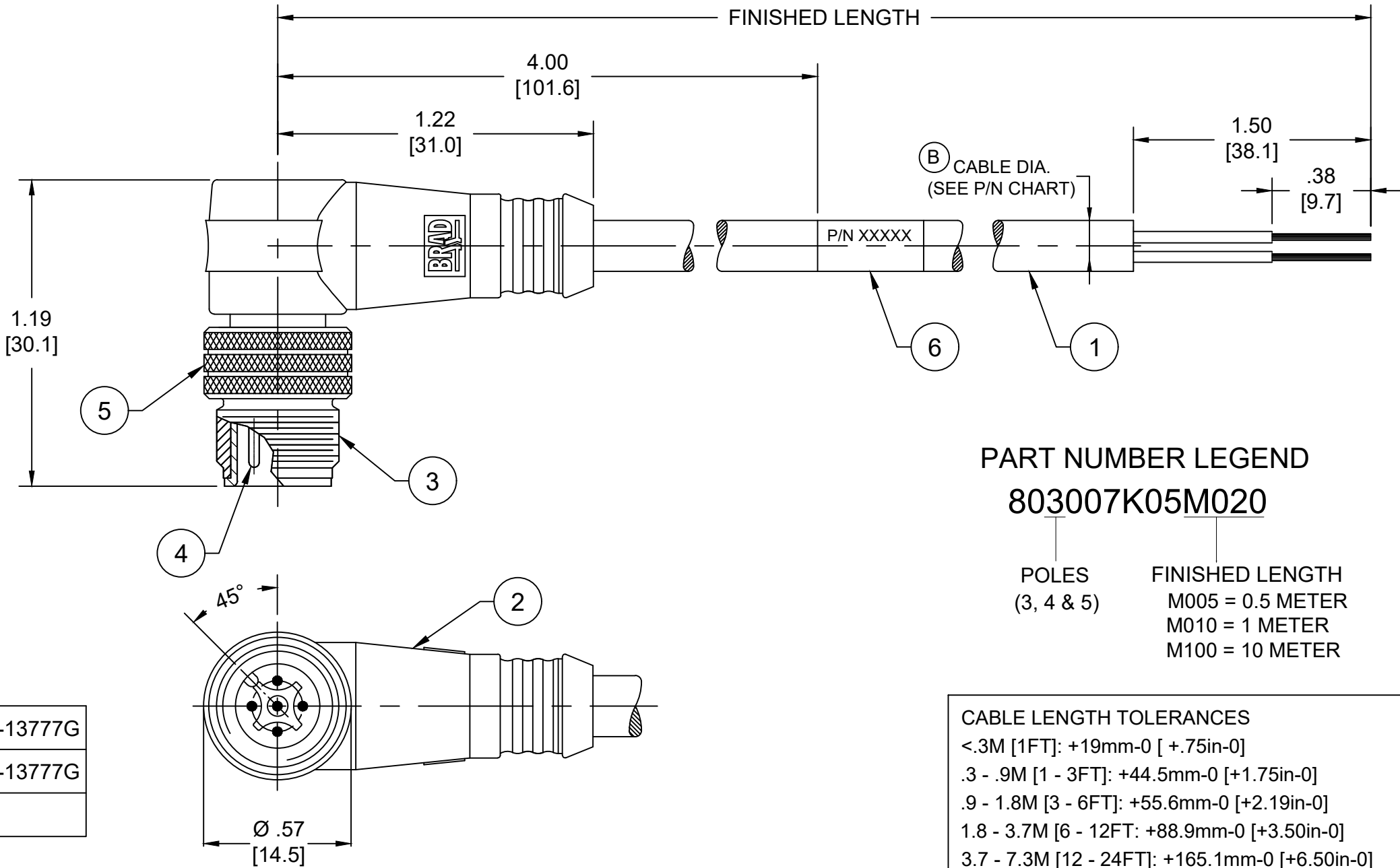
8. ALL DIMENSIONS ARE FOR REFERENCE

UNLESS TOLERANCED OR NOTED OTHERWISE

CABLE FLEX CHARACTERISTICS

TORSIONAL FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
BEND FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
WELD SLAG RESISTANCE	WOODHEAD STANDARD S-300

6	WRAP LABEL	VINYL	BLACK/YELLOW
5	COUPLING NUT	BRASS	NICKEL PLATED
4	PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL
3	MALE INSERT	PUR	BLACK
2	OVERMOLD	TPC	YELLOW
1	CABLE #22/3-5	TPE JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH



PART NUMBER LEGEND

803007K05M020

POLES
(3, 4 & 5)

FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

CABLE LENGTH TOLERANCES

<.3M [1FT]: +19mm-0 [+.75in-0]

.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]

.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]

1.8 - 3.7M [6 - 12FT]: +88.9mm-0 [+3.50in-0]

3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]

7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]

14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]

OVER 30M [100FT] +2% OF FINISHED LENGTH

FUNCTIONAL SYMBOLS F A =0 F E =0 F P =0 DIVISIONAL 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: ITEM #2 WAS TPE, ADDED CABLE DIA. MODIFIED MATERIAL NUMBER CHART						molex MICRO-CHANGE CORDSET, M12, 3-5 POLE, MALE 90DEG, SINGLE KEY, #22 AWG TPE HI-FLEX PRODUCT CUSTOMER DRAWING					
	INCH/MM				NTS											
	GENERAL TOLERANCES (UNLESS SPECIFIED)															
		mm	INCH		EC NO: 704134											
	4 PLACES	±----	±----		DRWN: ABENJAMINLW						2021/09/27					
	3 PLACES	±----	±----		CHK'D: RSTONE						2022/04/27					
	2 PLACES	±----	±----		APPR: BWOODMAN						2022/05/04					
	1 PLACE	±----	±----		INITIAL REVISION:											
	0 PLACES	±----	±----		DRWN: RSTONE						2018/11/01					
ANGULAR TOL ± ---- °				APPR: BWOODMAN						2018/11/30						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
						A3-SIZE		120065		SEE CHART		GENERAL MARKET		1 OF 1		