



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



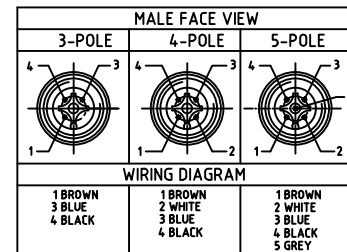
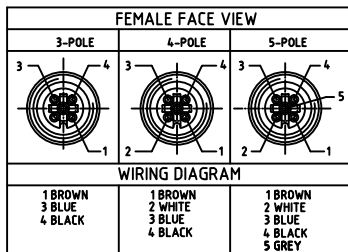
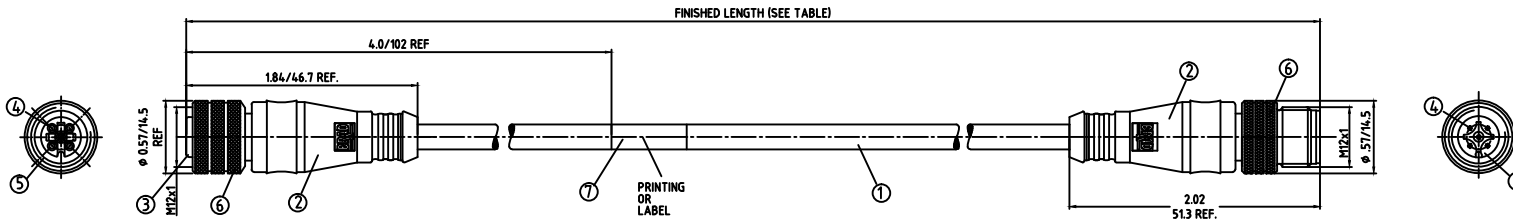
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





CONNECTOR SPECIFICATION:

VOLTAGE RATING	250 VAC/VDC
AMPERAGE RATING	max. 4 AMPS
PROTECTION	IP67
OPERATING TEMPERATURE	-20°C TO 105°C

ITEM	COMPONENT	MATERIAL	FINISH
7	LABLE	MYLAR	BLACK/YELLOW
6	COUPLER	BRASS	TEFLON
5	O-RING	VITON	RED
4	SOCKET/PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT	NYLON	BLACK
2	OVERMOLD	TPE	YELLOW
1	CABLE- 22/3-5 (COPPER STRANDING) 3/4/5 CONDUCT. 300V	TPE JACKET	YELLOW

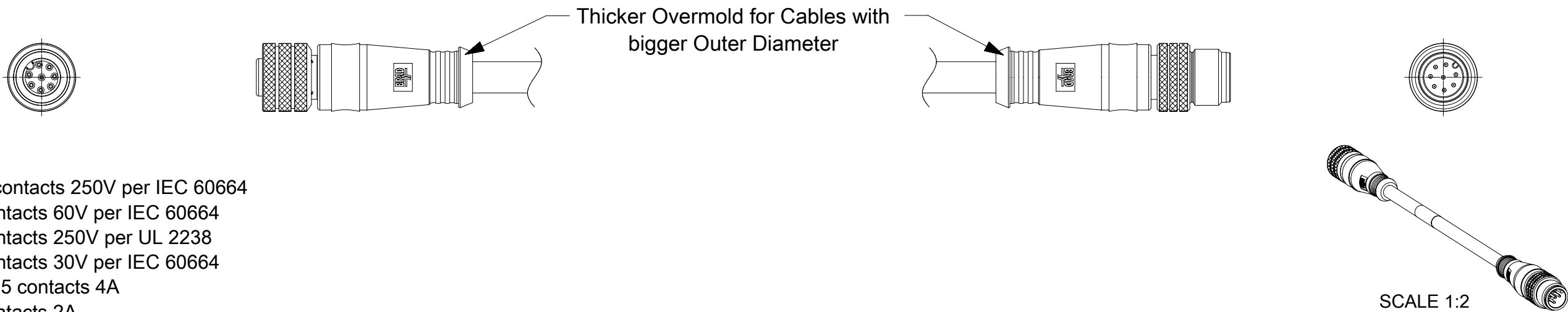
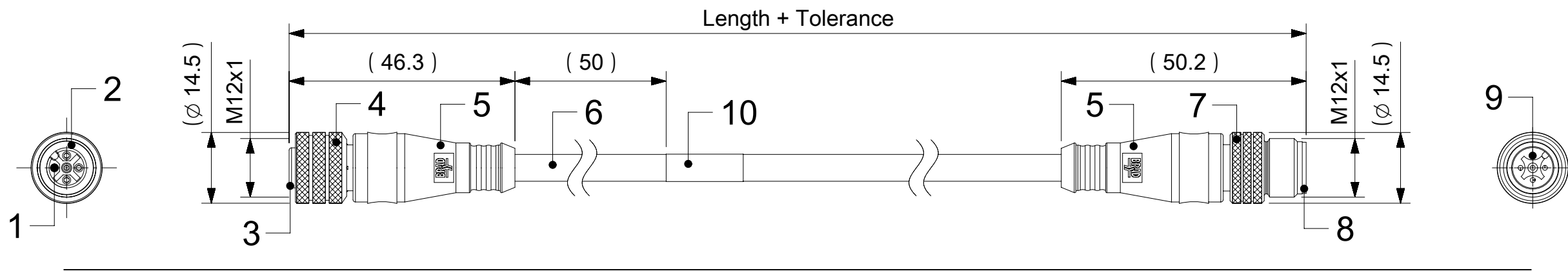
ADD P/N 884030K05M005 EC NO.: WNA2011-0420 DRWN: TWOLDEGE CHKD: LHARTMAN APPR: JFMURPHY 2/15/11 2010/01/29	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
					IN/MM		1:1	METRIC		
				mm		INCH	DRAWN BY	DATE		MICRO-CHANGE CORDSET 3/4/5 P. FE STR/ MA STR 22/3-5 YELLOW TPE CABLE
			 = 0	4 PLACES ± --	± --	LSTEMMLE	2010/01/25			
			 = 0	3 PLACES ± --	± --	CHECKED BY	DATE			
				2 PLACES ± --	± .01	RE	2010/01/26			
				1 PLACE ± 0.3	± --	APPROVED BY	DATE	 MOLEX INCORPORATED		
				ANGULAR ± -- °		NSTAUDIG	2010/01/29			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	DOCUMENT NO.	SHEET NO.			
			3	REV	SEE TABLE		SD-120066-011			1 OF 2
SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
3	1200660676	883030K05M010	3.28' +2.19" -0 [1.0M +55.6 -0]
3	1200660680	883030K05M040	13.12' +6.50" -0 [4.0M +165.1 -0]

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
4	1200660683	884030K05M003	.3M +19.1 -0 [.98' +.75" -0]
4	1200660684	884030K05M005	.5M +44.5 -0 [1.64' +1.75" -0]
4	1200660686	884030K05M006	.6M +44.5 -0 [1.97' +1.75" -0]
4	1200660687	884030K05M010	1.0M +55.6 -0 [3.27' +2.19" -0]
4	1200660688	884030K05M015	1.5M +55.6 -0 [4.91' +2.19" -0]
4	1200660689	884030K05M020	2.0M +88.9 -0 [6.56' +3.50" -0]
4	1200660690	884030K05M030	3.0M +88.9 -0 [9.84' +3.50" -0]
4	1200660691	884030K05M040	4.0M +165.1 -0 [13.12' +6.50" -0]
4	1200660692	884030K05M050	5.0M +165.1 -0 [16.40' +6.50" -0]
4	1200660693	884030K05M060	6.0M +165.1 -0 [19.69' +6.50" -0]
4	1200660694	884030K05M080	8.0M +317.5 -0 [26.25' +12.50" -0]
4	1200660695	884030K05M100	10.0M +317.5 -0 [32.81' +12.50" -0]
4	1200660696	884030K05M120	12.0M +317.5 -0 [39.37' +12.50" -0]
4	1200660697	884030K05M150	15.0M +622.3 -0 [49.21' +24.50" -0]
4	1200660698	884030K05M180	18.0M +622.3 -0 [59.06' +24.50" -0]
4	1200660921	884030K05M200	20.0M +622.3 -0 [65.62' +24.50" -0]
4	1200660699	884030K05M230	23.0M +622.3 -0 [75.21' +24.50" -0]
4	1200660700	884030K05M300	30.0M +622.3 -0 [98.43' +24.50" -0]
4	1200660701	884030K05M610	61.0M +622.3 -0 [199.47' +24.50" -0]

ADD P/N 884030K05M005 EC NO: WNA2011-0420 DRWN: TWOLDEGE CHKD: LHARTMAN APPR: JFMURPHY 2/15/11 2010/01/29	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
					IN/MM		1:1	METRIC			
		= 0 = 0		mm	INCH	DRAWN BY DATE		MICRO-CHANGE CORDSET 3/4/5 P. FE STR/ MA STR 22/3-5 YELLOW TPE CABLE			
			4 PLACES	±--	±--	LSTEMMLE 2010/01/25					
			3 PLACES	±--	±--	CHECKED BY DATE					
			2 PLACES	±--	±.01	RE 2010/01/26					
			1 PLACE	±0.3	±--	APPROVED BY DATE		MOLEX INCORPORATED			
			ANGULAR ± -- °		NSTAUDIG 2010/01/29						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO.		DOCUMENT NO.		SHEET NO.
							SEE TABLE		SD-120066-011		2 OF 2
3	REV				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
					A3						

FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



NOTES:
RATED VOLTAGE: 3, 4 contacts 250V per IEC 60664
5 contacts 60V per IEC 60664
5 contacts 250V per UL 2238
8 contacts 30V per IEC 60664
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C
CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	GREY OR GREEN/YELLOW	5	GREY
							6	PINK
							7	BLUE
CODING REQUIRED TO IEC 61076-2-101								

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

10	1	LABEL YELLOW	VINYL	---
	-	PRINTING FOR CABLES lxx	---	---
9	3 / 4 / 5 / 8	CONTACT MALE	BRASS	SELECTIVE Au OVER Ni
8	1	INSERT MALE BLACK	TPU	---
7	1	COUPLING NUT MALE	BRASS	NICKEL
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	TPU	---
4	1	COUPLING NUT FEMALE	BRASS	NICKEL
3	1	INSERT FEMALE BLACK	PUR	---
2	1	ORING RED	FPM	---
1	3 / 4 / 5 / 8	CONTACT FEMALE	BRASS	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																						
QUALITY SYMBOLS	2016/09/19 2016/12/08 EC NO: 110836 DRWN: JMARSZALEK CHK'D: RSILLER APPR: RSILLER	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex® CSE M12 XP AC FE STR MA STR XM DE													
					MM		1:1															
		ANGULAR TOL ± 1.0 °			DRWN BY		DATE		PRODUCT CUSTOMER DRAWING													
					JMARSZALEK		2016/09/19															
		4 PLACES		±	CHK'D BY		DATE		SERIES						MATERIAL NUMBER		CUSTOMER					
		3 PLACES		±																		
		2 PLACES		± 0.05	APPR BY						DATE		120066						SEE SHEET 3-4		GENERAL MARKET	
		1 PLACE		± 0.3																		
		0 PLACES		± 0.5	DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER						DOC TYPE		DOC PART		SHEET NUMBER			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																				
A		REV	A3																			

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

88X030XXXXX

88=Micro-Change
M12x1
Double ended

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

Heads style:
030=Plug Female Straight
to Plug Male Straight

Cable type: See Table

Units:
M=Meter

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

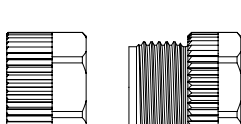
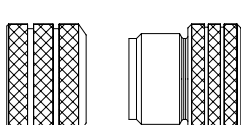
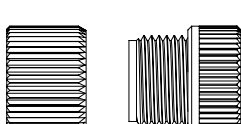
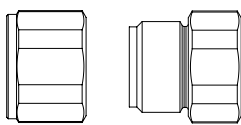
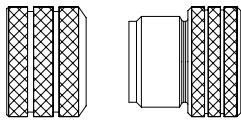
Options

Overmold color:
Blank (Standard)=Black TPU
Blank=Yellow PVC for cables
A09, S19, S20, S26
Blank=Yellow TPE-E for cables
K03, K05
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank (Standard)=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
Blank=7 for cables I20, I26, K03, K05, P82, S26
9=Knurled / Hexagonal Brass Ni Plated SW13

H= 2 pcs. of I/D Carrier PVC Transparent
(Cables Ixx & P82 always with 2 pcs. of
I/D Carrier even if no H in Engineering No.)

COUPLING NUT
FEMALE MALE



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
A09	4	22AWG	PVC YELLOW	UL 2661	I/II A/B 80°C/300V	-	-	-	-
B02	4	18AWG	PUR YELLOW	UL 20549	I/II A/B 80°C/300V	-	-	-	-
E52	3 / 4	0.34mm²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I02	3 / 4 / 8	0.25mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I03	3 / 4 / 5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I20	3 / 4	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	YES
I26	5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	YES
K03	4 / 5	18AWG	TPE YELLOW	UL ITC or PLC	I/II A/B 90°C/300V	max 105°C	-	-	-
K05	3 / 4 / 5	22AWG	TPE YELLOW	UL ITC or PLTC	I/II A/B 90°C/300V	max 105°C	-	-	-
P04	4	0.50mm²	PUR BLACK	-	-	-40°C to +90°C, >7.5xO.D.	-15°C to +90°C, >12.5xO.D.	-	-
P19	8	0.25mm²	PUR BLACK	-	-	-40°C to +90°C, >7.5xO.D.	-15°C to +90°C, >12.5xO.D.	2 000 000 cycles, >15xO.D.	YES
P20	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	-	-	-30°C to +80°C	-	-	YES
P82	3 / 4 / 5	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, >5xO.D.	-40°C to +105°C, >7.5xO.D.	-	-
S19	8	0.25mm²	PVC YELLOW	UL 2661/1569	C22.2 II A 105°C/300V	-30°C to +105°C, >10xO.D.	-15°C to +105°C, >15xO.D.	-	YES
S20	3 / 4 / 5	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES
S26	5	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length

QUALITY SYMBOLS

 = 0

 = 0

 = 0

 = 0

 = 0

 = 0

 = 0

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2016/09/19

2016/12/08

EC NO: 110836

DRWN: JMARSZALEK

CHK'D: RSILLER

APPR: RSILLER

REV

A

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

DIMENSION UNITS

MM

DRWN BY

JMARSZALEK

DATE

2016/09/19

CHK'D BY

DATE

APPR BY

RSILLER

2016/12/08

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

SCALE

1:1



CSE M12 XP AC FE STR MA STR XM DE

PRODUCT CUSTOMER DRAWING

SERIES

120066

MATERIAL NUMBER

SEE SHEET 3-4

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

1200668165

DOC TYPE

PSD

DOC PART

000

SHEET NUMBER

2 OF 4

9				8				7				6				5				4				3				2				1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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E	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length																				
	141	1200668090	885030S26M020H	2m	176	1200668735	884030P82M0707Y	7m	211				246																							
	142	1200668098	888030P19M010	1m	177	1200668736	885030I26M015Y	1.5m	212				247																							
	143	1200668099	888030P19M050	5m	178	1200668773	885030P82M0107	1m	213				248																							
	144	1200668165	885030I03M100	10m	179	1200668873	885030I26M050Y	5m	214				249																							
	145	1200668172	883030S20M050	5m	180	1200669113	884030A09M0308	3m	215				250																							
	146	1200668187	884030P82M050H	5m	181	1200669118	884030P82M0307Y	3m	216				251																							
	147	1200668252	888030P19M030	3m	182	1200669149	883030I03M010Y	1m	217				252																							
	148	1200668281	885030I26M025	2.5m	183	1200669218	885030I03M100Y	10m	218				253																							
	149	1200668310	883030S20M005	0.5m	184	1200669227	884030K05M500	50m	219				254																							
D	150	1200668349	884030P82M0101	1m	185	1200669228	884030K05M600	60m	220				255																							
	151	1200668371	883030I03M040	4m	186	1200718014	884030P82M0607	6m	221				256																							
	152	1200668372	884030I03M040	4m	187				222				257																							
	153	1200668505	884030P20M010	1m	188				223				258																							
	154	1200668506	884030P20M020	2m	189				224				259																							
	155	1200668507	884030P20M050	5m	190				225				260																							
	156	1200668508	884030P20M100	10m	191				226				261																							
	157	1200668517	884030P82M1007	10m	192				227				262																							
	158	1200668615	884030K05M050H	5m	193				228				263																							
	159	1200668616	884030K05M100H	10m	194				229				264																							
C	160	1200668632	883030I03M020Y	2m	195				230				265																							
	161	1200668633	883030I03M030Y	3m	196				231				266																							
	162	1200668634	883030I03M050Y	5m	197				232				267																							
	163	1200668637	884030I03M020Y	2m	198				233				268																							
	164	1200668638	884030I03M100Y	10m	199				234				269																							
	165	1200668639	885030I26M010Y	1m	200				235				270																							
	166	1200668640	885030I26M020Y	2m	201				236				271																							
	167	1200668641	885030I26M030Y	3m	202				237				272																							
	168	1200668642	885030I03M030Y	3m	203				238				273																							
	169	1200668643	884030P82M0067Y	0.6m	204				239				274																							
B	170	1200668644	884030P82M0107Y	1m	205				240				275																							
	171	1200668645	884030P82M0207Y	2m	206				241				276																							
	172	1200668696	883030I03M030A	3m	207				242				277																							
	173	1200668697	883030I03M050A	5m	208				243				278																							
	174	1200668698	883030I03M100A	10m	209				244				279																							
	175	1200668699	883030I03M200A	20m	210				245				280																							
	RELEASE STATUS				P1	RELEASE DATE				08.12.2016	08:45:02																									
	9				8				7				6				5				4				3				2				1			
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