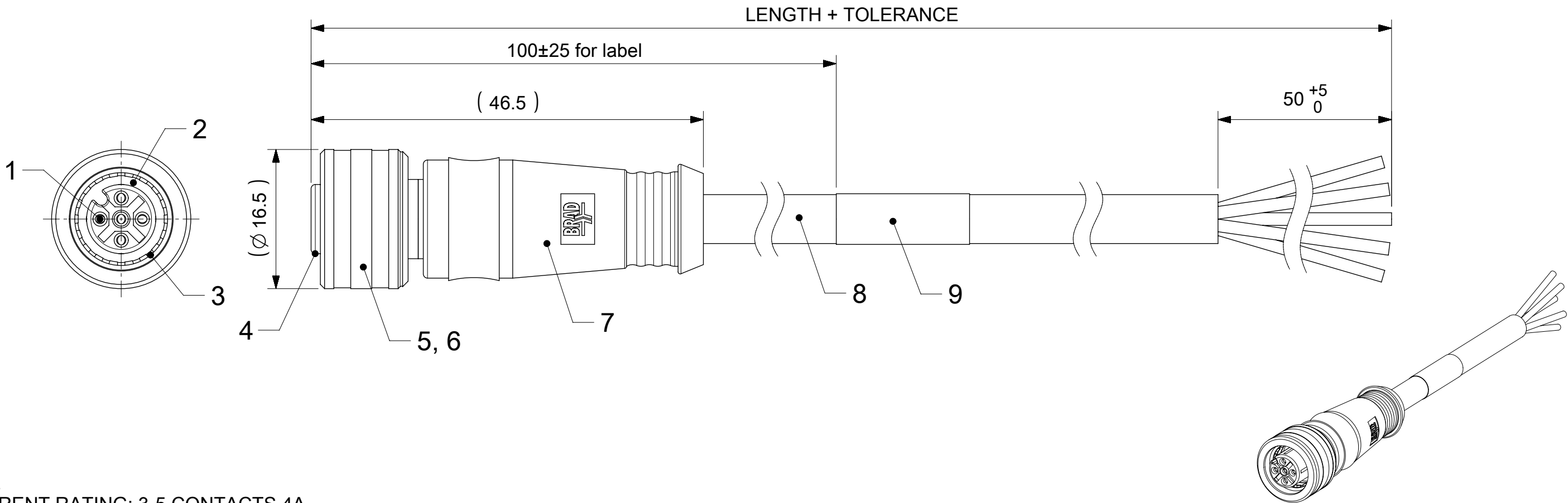


FEMALE PLUG ULTRA LOCK U12 STRAIGHT



SCALE 1:1

NOTES:

CURRENT RATING: 3-5 CONTACTS 4A
VOLTAGE RATING: 3-4 CONTACTS 250V
5 CONTACTS 60V
PROTECTION CLASS: IP 67/68/69K
TEMPERATURE: -25°C / +85°C

CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS	
PIN	WIRE	PIN	WIRE	PIN	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	---	5	---	5	GREY
CODING ACCORDING TO IEC 61076-2-101					

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

9	1	LABEL YELLOW	VINYL	---
8	-	CABLE	SEE SHEET 2	---
7	-	OVERMOULD BLACK	TPU	---
6	1	SLEEVE U12 INNER	BRASS	NICKEL
5	1	SLEEVE U12 OUTER	BRASS	NICKEL
4	1	INSERT FEMALE BLACK	PUR	---
3	1	SPRING U12	V4A	---
2	1	ORING GREEN	FPM	---
1	3 / 4 / 5	CONTACT M12 FEMALE	BRONZE	SELECTIVE GOLD OVER NICKEL
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		2018/06/19 2018/06/27 2018/06/28 EC NO: 178454 DRWN: SSM CHK'D: SSM REV APPR: RSILLER				GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® CSE U12 XP AC FE STR XM SE UNSH PRODUCT CUSTOMER DRAWING						
F A = 0 F E = 0 F B = 0 ▼ = 0 C = 0 ⊠ = 0 ■ = 0 ∇ = 0								mm		2:1								
								DRWN BY									DATE	
								JMARSZALEK									2016/04/06	
								CHK'D BY									DATE	
						4 PLACES		±		APPR BY				DATE				
						3 PLACES		±		RSILLER				2016/05/30				
						2 PLACES		± 0.05										
						1 PLACE		± 0.3										
						0 PLACES		± 0.5		DRAWING SIZE		THIRD ANGLE PROJECTION			SERIES		MATERIAL NUMBER	
						A3					120079		SEE SHEET 2		GENERAL MARKET			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
											1200795043		PSD		000		1 OF 2	

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

OPTIONS

W 0 X 0 0 0 X X X X X X X X X

W0=U12
Ultra Lock
Single ended

Poles:
3=3 Poles
4=4 Poles
5=5 Poles

Heads style:
000=Plug Female Straight

Cable type: See Table

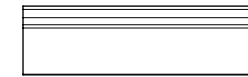
Units:
M=Meter
C=Centimeter

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

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

Ultra Lock Assembly:
Blank (Standard)=Brass, Ni Plated
8=Stainless steel, EPDM oring

H= 2 pcs. of I/D Carrier PVC Transparent
(Cables 1xx & P82 always with
2 pcs. of I/D Carrier) _____



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
E03	3 / 4 / 5	0.34mm ²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H09	3 / 4 / 5	0.34mm ²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles, Temp max 60°C	-
P03	3 / 4 / 5	0.34mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-

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

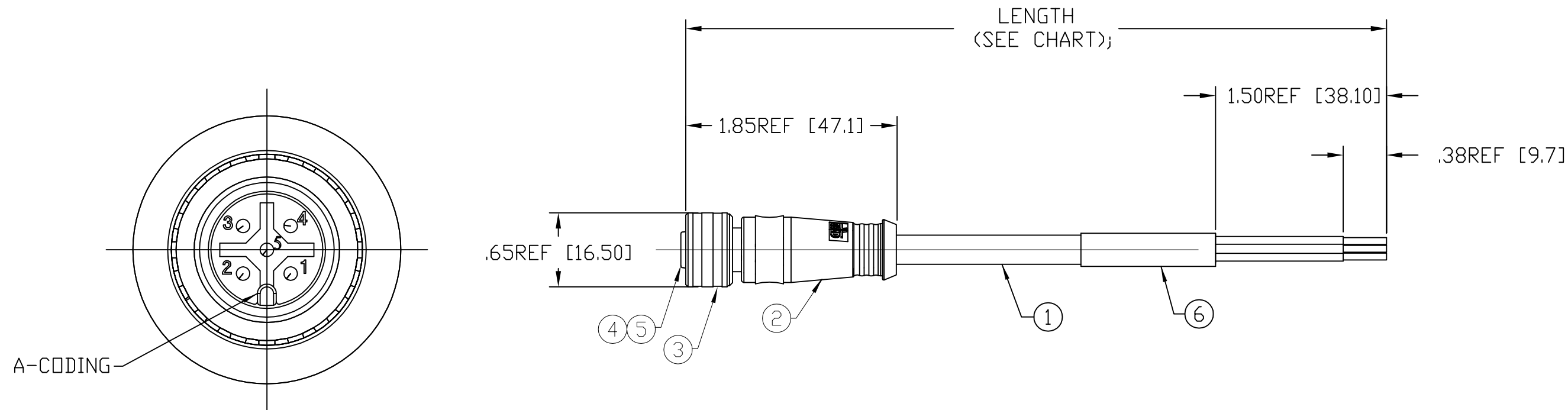
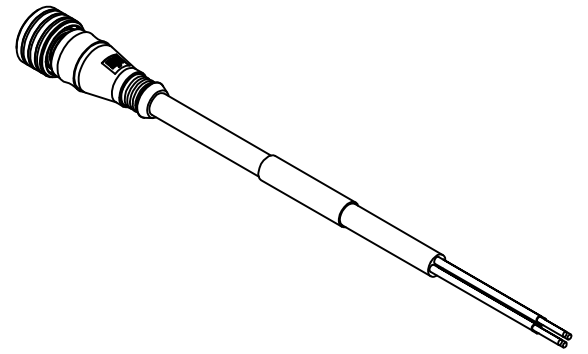
PART LIST

No.	Molex P/N	Engineering no.	Cable Length
1	1200790266	W04000E03M020	2m
2	1200790277	W05000E03M020	2m
3	1200795022	W04000E03M003	0.3m
4	1200795043	W05000E03M050	5m
5	1200795068	W04000P03M040	4m
6	1200795069	W04000P03M050	5m
7	1200795102	W03000E03M020	2m
8	1200795103	W03000P03M020	2m
9	1200795110	W05000P03M020	2m
10	1200798001	W04000E03M050	5m
11	1200798010	W04000P03M100	10m
12	1200798012	W04000P03M020	2m
13	1200798014	W04000E03M100	10m
14	1200798042	W03000H09M020	2m
15	1200798045	W05000H09M020	2m
16	1200798054	W04000H09M020	2m
17	1200798063	W05000P03M030	3m
18	1200798123	W05000H09C350	0.35m
19	1200798124	W05000H09M003	0.3m
20	1200798126	W04000P03M200	20m

No.	Molex P/N	Engineering no.	Cable Length
21	1200798127	W04000H09M050	5m
22	1200798128	W04000H09M100	10m
23	1200798129	W04000H09M200	20m
24	1200798130	W05000P03M050	5m
25	1200798131	W05000P03M100	10m
26	1200798132	W05000P03M200	20m
27	1200798141	W03000E03M050	5m
28	1200798142	W03000E03M100	10m
29	1200790280	W05000E03M100	10m
30			
31			
32			
33			
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35			
36			
37			
38			
39			
40			

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QUALITY SYMBOLS		2018/06/19 2018/06/27 2018/06/28 EC NO: 178454 DRWN: SSM CHK'D: SSM APPR: RSILLER A2 REV		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®			
mm						1:1							
FA = 0 FE = 0 FP = 0 FV = 0 FC = 0 FX = 0 FS = 0 CC = 0				ANGULAR TOL ± 1.0 °		DRWN BY		DATE		CSE U12 XP AC FE STR XM SE UNSH			
JMARZSALEK						2016/04/06							
				4 PLACES	±	CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING			
				3 PLACES	±								
				2 PLACES	± 0.05	APPR BY		DATE					
				1 PLACE	± 0.3								
		0 PLACES	± 0.5	RSILLER		2016/05/30		SERIES		MATERIAL NUMBER		CUSTOMER	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	120079		SEE PART LIST		GENERAL MARKET			
				A3				DOCUMENT NUMBER		DOC TYPE		DOC PART	SHEET NUMBER
								1200795043		PSD	000	2 OF 2	

13	12	11	10	9	8	7	6	5	4	3	2	1
PART NUMBER	ENGINEERING NO.	LENGTH										
1200798012	W04000P03M020	6' 6" +3.5" - 0 [2M +90MM - 0]										
1200795068	W04000P03M040	13' 1" +6.5" - 0 [4M +150MM - 0]										
1200795069	W04000P03M050	16' 4" +6.5" - 0 [5M +150MM - 0]										
1200795070	W04000P03M060	19' 7" +6.5" - 0 [6M +150MM - 0]										
1200798010	W04000P03M100	32' 4" +12.5" - 0 [10M +300MM - 0]										



P1	
1	BROWN
2	WHITE
3	BLUE
4	BLACK

WIRING DIAGRAM

NOTES:

1) MATERIAL: SEE TABLE

2) FINISHES: SEE TABLE

3) WRAP LABEL IS MARKED WITH P/N, DATE CODE, VOLTAGE & AMPERAGE.

4) MATES WITH: MICRO CHANGE, 4 POLE RECEPTACLE

5) ELECTRICAL DATA:
 INLINE CORDSET
 FEMALE A-CODING WITH FLYING LEADS
 22AWG UNSHIELDED
 POLES: 4
 MAX. VOLTAGE: 250V
 MAX. CURRENT 4A
 CONTACT RESISTANCE: <5m Ohm
 PROTECTION IP67/68/69K
 TEMPERATURE RANGE: -20°C TO 80°C

6) PACKAGING:
CABLE ASSEMBLIES ARE BAGGED SEPERATELY
IN POLY BAGS WITH BAR CODE LABEL ATTACHED
TO OUTSIDE OF BAG.

7)ASSEMBLY IS RoHS COMPLIANT.

6	1	LABEL	PLASTIC FILM	BLACK/YELLOW
5	4	SOCKET CONTACT	COPPER ALLOY	GOLD PLATED
4	1	INSERT	PUR	BLACK
3	1	COUPLING NUT	BRASS	NICKEL PLATED
2	1	OVERMOLD	PUR	YELLOW
1	1	CABLE, 22AWG-4	PUR JACKET	BLACK
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

RELEASE EC NO: WEU2010-0062 DRWN: BWOODMAN 8/19/09 CHKD: LH APPR: JFMURPHY 2009/08/21 A	DESCRIPTION REV	QUALITY SYMBOL ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY BW		DATE 2009/08/19	TITLE MICRO CHANGE ULTRA LOCK 4-P FEMALE STRAIGHT 22/4 AWG PUR					
			4 PLACES	±----	±---	CHECKED BY LH		DATE 2009/08/19						
			3 PLACES	±.005	±.005	APPROVED BY		DATE						
			2 PLACES	±.013	±.010	-----		-----		molex MOLEX INCORPORATED				
			1 PLACE	±.025	±.020	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-120079-014						SHEET NO. 1 OF 1
			ANGULAR ±---°			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
			SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

13	12	11	10	9	8	7	6	5	4	3	2	1
----	----	----	----	---	---	---	---	---	---	---	---	---

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9