



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!



Contact us

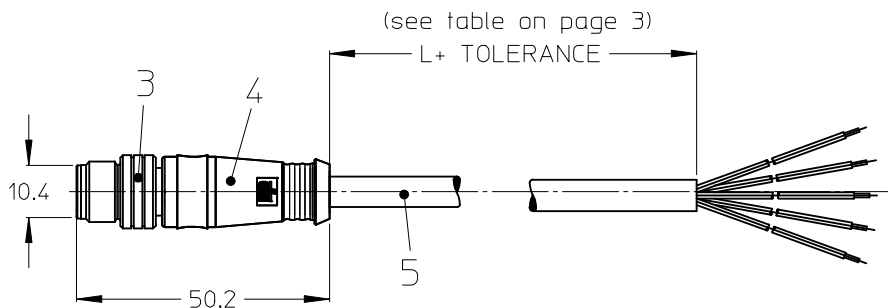
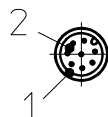
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STRAIGHT PLUG MALE



NOTES:

TEMPERATURE RANGE	SEE TABLE ON PAGE 2
CONTACT CURRENT RATING	3-5 POLES 4A 8 POLES 2A
VOLTAGE RATING	3-4 POLES 250V 5 POLES 60V 8 POLES 30V
PROTECTION CLASS	IP 67

TOLERANCES

≤ 1m	+20/-10mm
1m - 5m	± 25mm
5m - 10m	± 30mm
> 10m	± 30mm
> 20m	± 50mm

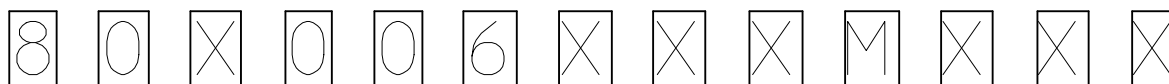
3 WIRE	4 WIRE	5 WIRE	8 WIRE
PIN # WIRE	PIN # WIRE	PIN # WIRE	PIN # WIRE
1 BROWN	1 BROWN	1 BROWN	1 WHITE
2 -	2 WHITE	2 WHITE	2 BROWN
3 BLUE	3 BLUE	3 BLUE	3 GREEN
4 BLACK	4 BLACK	4 BLACK	4 YELLOW
5 -	5 -	5 GREY	5 GREY
			6 PINK
			7 BLUE
			8 RED
REQUIRED TO IEC 60947-5-2		REQUIRED TO DIN 47100	

5	CABLE	SEE TABLE (PAGE 2)	---
4	OVERMOULDING	TPU	BLACK
3	MALE COUPLING NUT	BRASS	NI PLATED
2	PIN CONTACT	BRASS	GOLD PLATED
1	INSERT	PA	BLACK
ITEM	PART	MATERIAL	FINISH

ENTER DESCRIPTION EC NO: IPG2014-0972 DRWN:FSCHAFHAUSER 2013/11/26 CHKD:PMERUNKA 2014/06/10 APPR:RSILLER 2014/06/18	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 			
				mm	INCH	DRAWN BY PMERUNKA	DATE 2012/04/20	TITLE CSE M12 XP AC MA STR XM SE UNSH	molex	DOCUMENT NO. SD-120065-049	SHEET NO. 1 OF 3	
			4 PLACES	± ---	± ---	CHECKED BY RSILLER	DATE 2013/01/18					
			3 PLACES	± ---	± ---	APPROVED BY APOHL	DATE 2013/11/18					
			2 PLACES	± 0.05	± ---	MATERIAL NO. SEE TABLE						
			1 PLACE	± 0.10	± ---							
			0 PLACE	± ---	± ---							
			ANGULAR ± .5 °									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
			2	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

10 9 8 7 6 5 4 3 2 1

NUMERICAL CODE (Available parts see table page 3 ff others on request.)



80 = M12x1
single ended

poles:
3 = 3 poles
4 = 4 poles
5 = 5 poles

header:
006 = plug male straight

M = meter
C = centimeter

length:
Example
020 = 2 m

Cable:
E02 = 0,25mm², PVC black
E03 = 0,34mm², PVC black
H08 = 0,25mm², PUR black LS0H
H09 = 0,34mm², PUR black LS0H
I03 = 0,34mm², PVC grey
K05 = 0,34mm², TPE yellow
P02 = 0,25mm², PUR/PVC black
P03 = 0,34mm², PUR/PVC black
P82 = 0,34mm², PUR black irradiated
I20 = 0,34mm², PVC grey

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	static	flexing	drag chain tested	other
E02	0.25mm ²	PVC black	STYLE 2464	I/II A/B 80°/300V	-30°C to +80°C 5xD	-5°C to +80°C 9xD	---	---
E03	0.34mm ²	PVC black	STYLE 2464	I/II A/B 80°/300V	-30°C to +80°C 5xD	-5°C to +80°C 9xD	---	---
H08	0.25mm ²	PUR black LS0H	AWM STYLE 21198/10493	APPROVED	-50°C to +80°C 5xD	-25°C to +80°C 10xD	2000000 cycles	---
H09	0.34mm ²	PUR black LS0H	AWM STYLE 21198/10493	APPROVED	-50°C to +80°C 5xD	-25°C to +80°C 10xD	drag chain 60°C	---
I03	0.34mm ²	PVC grey	---	---	-30°C to +70°C	-5°C to +70°C	---	---
K05	0.34mm ²	TPE yellow	ITC E195601 or PLTC	AWM I/II A/B FT4 LL54185	---	---	---	CSA-US: ITC LL54185-02
P02	0.25mm ²	PUR/PVC black	not applicable	not applicable	-30°C to +80°C 7xD	-5°C to +80°C 15xD	---	---
P03	0.34mm ²	PUR/PVC black	not applicable	not applicable	-30°C to +80°C 7xD	-5°C to +80°C 15xD	---	---
P82	0.34mm ²	irrad. PUR orange	---	---	-50°C to +105°C 5xD	-40°C to +105°C 7.5xD	---	---
I20	0.34mm ²	PVC grey	---	---	-30°C to +70°C	-5°C to +70°C	---	---

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		4 PLACES 3 PLACES 2 PLACES 1 PLACE 0 PLACE	mm	INCH	DRAWN BY PMERUNKA	DATE 2012/04/20	TITLE CSE M12 XP AC MA STR XM SE UNSH						
					CHECKED BY RSILLER	DATE 2013/01/18							
					APPROVED BY APOHL	DATE 2013/11/18	molex						
			ANGULAR ± .5 °		MATERIAL NO.						DOCUMENT NO.		SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE						SD-120065-049		2 OF 3
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

	10	9	8	7	6	5	4	3	2	1																				
	PART LIST																													
F	PART NUMBER			NUMERICAL CODE			CABLE LENGTH "L" IN M																							
	1200064353			803006E03M003			0.3M																							
	1200658526			803006E03M005			0.5M																							
	1200658565			803006E03M010			1M																							
	1200060240			803006E03M020			2M																							
	1200062017			803006E03M030			3M																							
	1200658566			803006E03M040			4M																							
	1200060241			803006E03M050			5M																							
	1200060242			803006E03M100			10M																							
	1200061611			803006E03M150			15M																							
E	1200658892			803006H09M003			0.3M																							
	1200658653			803006H09M010			1M																							
	1200658654			803006H09M015			1.5M																							
	1200658655			803006H09M020			2M																							
	1200658656			803006H09M030			3M																							
	1200658657			803006H09M040			4M																							
	1200658248			803006H09M050			5M																							
	1200658247			803006H09M100			10M																							
	1200060252			803006I03M020			2M																							
D	1200060253			803006I03M030			3M																							
	1200658595			803006I03M040			4M																							
	1200060254			803006I03M050			5M																							
	1200651113			803006K05M006			0.6M																							
	1200652035			803006K05M015			1.5M																							
	1200651114			803006K05M020			2M																							
	1200651115			803006K05M025			2.5M																							
	1200651116			803006K05M040			4M																							
	1200651117			803006K05M050			5M																							
	1200651118			803006K05M060			6M																							
C	1200651119			803006K05M100			10M																							
	1200060256			803006P03M002			0.2M																							
	1200658055			803006P03M003			0.3M																							
	1200064160			803006P03M005			0.5M																							
	1200064853			803006P03M010			1M																							
	1200060257			803006P03M020			2M																							
	1200060260			803006P03M030			3M																							
	1200658612			803006P03M040			4M																							
	1200060261			803006P03M050			5M																							
B	1200658613			803006P03M100			10M																							
	1200064014			803006P82M006			0.6M																							
	1200064375			803006P82M010			1M																							
	1200063077			804006E02M005			0.5M																							
	1200659034			804006E02M050			5M																							
	1200659036			804006E02M070			7M																							
	1200659037			804006E02M100			10M																							
	1200658265			804006E03C550			5M																							
	1200064251			804006E03M003			0.3M																							
	1200064252			804006E03M005			0.5M																							
	1200060558			804006E03M006			0.6M																							
A	1200060559			804006E03M010			1M																							
	1200060560			804006E03M020			2M																							
	PART NUMBER			NUMERICAL CODE			CABLE LENGTH "L" IN M																							
	1200062830			804006E03M020			2M																							
	1200060561			804006E03M030			3M																							
	1200658571			804006E03M040			4M																							
	1200060562			804006E03M050			5M																							
	1200659186			804006E03M060			6M																							
	1200658542			804006E03M070			7M																							
	1200060563			804006E03M100			10M																							
	1200060046			804006E03M120			10.2M																							
	1200658876			804006E03M150			10.5M																							
	1200062426			804006E03M200			20M																							
	1200658890			804006H09M003			0.3M																							
	1200658727			804006H09M010			1M																							
	1200658728			804006H09M015			1.5M																							
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	1200658730			804006H09M030			3M																							
	1200658731			804006H09M040			4M																							
	1200658732			804006H09M050			5M																							
	1200658733			804006H09M100			10M																							
	1200658895			804006H09M200			20M																							
	1200658325			804006I03M010			1M																							
	1200060565			804006I03M020			2M																							
	1200658601			804006I03M040			4M																							
	1200060567			804006I03M050			5M																							
	1200060568			804006I03M100			10M																							
	1200061023			804006I20M003			0.3M																							
	1200651356			804006K03M005			0.5M																							
	1200652024			804006K03M006			0.6M																							
	1200651357			804006K03M010			1M																							
	1200651359			804006K03M020			2M																							
	1200652027			804006K03M030			3M																							
	1200652025			804006K03M036			3M																							
	1200651360			804006K03M040			4M																							
	1200651361			804006K03M050			5M																							
	1200651362			804006K03M060			6M																							
	1200651128			804006K05M006			0.6M																							
	1200652082			804006K05M010			1M																							
	1200651363			804006K05M030			3M																							
	1200651130			804006K05M040			4M																							
	1200651131			804006K05M050			5M																							
	1200651132			804006K05M060			6M																							
	ENTER DESCRIPTION EC NO: PG2014-0972 DRWN:FSCHAFHAUSER 2013/11/26 CHKD:PMERUNKA 2014/06/10 APPR:RSILLER 2014/06/18			QUALITY SYMBOLS ▽=0 ▽=0			GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.05 ± --- 1 PLACE ± 0.10 ± --- 0 PLACE ± --- ± --- ANGULAR ± .5 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DIMENSION STYLE MM ONLY DRAWN BY DATE PMERUNKA 2012/04/20 CHECKED BY DATE RSILLER 2013/01/18 APPROVED BY DATE APOHL 2013/11/18 MATERIAL NO. SEE TABLE			SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION CSE M12 XP AC MA STR XM SE UNSH molex DOCUMENT NO. SD-120065-049 SHEET NO. 3 OF 3			SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	fb_frame_A3_P_AM.T Rev E1 2012/01/25			9			8			7			6			5			4			3			2			1		