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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.

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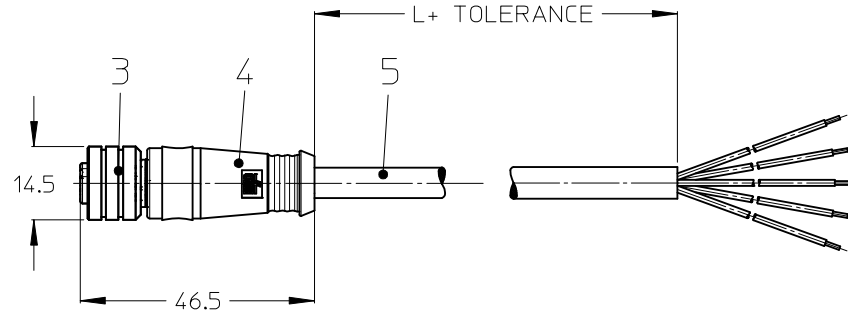
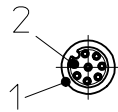
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



STRAIGHT PLUG FEMALE



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

CABLE 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:PMERUNKA 2013/11/26 CHKD:FSCHEHAUSER2014/06/10 APPR:RSJILLER 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 2012/04/23	TITLE CSE M12 XP AC FE STR XM SE UNSH									
			4 PLACES	± ---	± ---	CHECKED BY APOHL	DATE 2013/11/15										
			3 PLACES	± ---	± ---	APPROVED BY APOHL 2013/11/18		molex									
			2 PLACES	± 0.05	± ---												
			1 PLACE	± 0.10	± ---												
			0 PLACE	± ---	± ---	MATERIAL NO.							DOCUMENT NO.				SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE TABLE						SD-120065-050				1 OF 5
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												

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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
8 = 8 poles

header:

000 = plug female straight
001 = plug female 90° right
006 = plug male straight
007 = plug male 90° right

Cable:

E02 = 0,25mm², PVC black
E03 = 0,34mm², PVC black
H08 = 0,25mm², PUR black LSOH
H09 = 0,34mm², PUR black LSOH
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
I04 = 0,50mm², PVC grey
P12 = 0,50mm², PVC black
I26 = 0,34mm², PVC grey
P04 = 0,50mm², PVC black

M = meter
C = centimeter

length:
Example
020 = 2 m

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	static	flexing	drag chain tested	other
E02	0.25mm²	PVC black	STYLE 2464	I/II A/B 80°/300V	-30°C to +80°C 5xD	-5°C to +80°C 9xD	---	---
E03	0.34mm²	PVC black	STYLE 2464	I/II A/B 80°/300V	-30°C to +80°C 5xD	-5°C to +80°C 9xD	---	---
H08	0.25mm²	PUR black LSOH	AWM STYLE 21198/10493	APPROVED	-50°C to +80°C 5xD	-25°C to +80°C 10xD	2000000 cycles	---
H09	0.34mm²	PUR black LSOH	AWM STYLE 21198/10493	APPROVED	-50°C to +80°C 5xD	-25°C to +80°C 10xD	drag chain 60°C	---
I03	0.34mm²	PVC grey	---	---	-30°C to +70°C	-5°C to +70°C	---	---
K05	0.34mm²	TPE yellow	ITC E195601 or PLTC	AWM I/II A/B FT4 LL54185	---	---	---	CSA-US: ITC LL54185-02
P02	0.25mm²	PUR/PVC black	not applicable	not applicable	-30°C to +80°C 7xD	-5°C to +80°C 15xD	---	---
P03	0.34mm²	PUR/PVC black	not applicable	not applicable	-30°C to +80°C 7xD	-5°C to +80°C 15xD	---	---
P82	0.34mm²	irrad. PUR orange	---	---	-50°C to +105°C 5xD	-40°C to +105°C 7.5xD	---	---
I20	0.34mm²	PVC grey	---	---	-30°C to +70°C	-5°C to +70°C	---	---
I04	0.50mm²	PVC grey	---	---	-30°C to +70°C	-5°C to +70°C	---	---
P12	0.50mm²	PVC black	---	---	-30°C to +90°C	-5°C to +90°C	---	---
I26	0.34mm²	PVC grey	not applicable	not applicable	-30°C to +70°C	-5°C to +70°C	---	---
P04	0.50mm²	PVC black	---	---	-30°C to +90°C	-5°C to +90°C	---	---

ENTER DESCRIPTION EC NO: IPG2014-0972 DRWN:PMERUNKA 2013/11/26 CHKD:FSCHAFHAUSER2014/06/10 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		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION							
			DRAWN BY DATE PMERUNKA 2012/04/23		TITLE CSE M12 XP AC FE STR XM SE UNSH									
			CHECKED BY DATE APOHL 2013/11/15											
			APPROVED BY DATE APOHL 2013/11/18		molex									
			MATERIAL NO.							DOCUMENT NO.				SHEET NO.
			SEE TABLE							SD-120065-050				2 OF 5
2	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												

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PART NUMBER			NUMERICAL CODE			CABLE LENGTH "L" IN M			PART NUMBER			NUMERICAL CODE			CABLE LENGTH "L" IN M			PART NUMBER			NUMERICAL CODE			CABLE LENGTH "L" IN M					
F	1200060107			803000E03M003			0.3M			1200062772			803000P03M250			20.5M			1200658640			804000H09M010			1M				
	1200060027			803000E03M006			0.6M			1200062754			803000P82M004			0.4M			1200658550			804000H09M015			1.5M				
	1200658562			803000E03M010			1M			1200062454			803000P82M0067			0.67M			1200658178			804000H09M020			2M				
	1200060001			803000E03M020			2M			1200064073			803000P82M010			1M			1200658907			804000H09M020H			2M				
	1200658219			803000E03M0201			2.01M			1200064256			803000P82M020			2M			1200658473			804000H09M030			3M				
	1200658887			803000E03M020H			2M			1200061240			803000P82M050			5M			1200658641			804000H09M040			4M				
E	1200061958			803000E03M021			2.1M			1200659040			804000E02M050			5M			1200658179			804000H09M050			5M				
	1200060113			803000E03M030			3M			1200659038			804000E02M100			10M			1200064434			804000H09M050G			5M				
	1200658563			803000E03M040			4M			1200658266			804000E03C550			50.5M			1200658008			804000H09M050H			5M				
	1200060002			803000E03M050			5M			1200658983			804000E03M002			0.2M			1200658190			804000H09M100			10M				
	1200060115			803000E03M0501			5.01M			1200063224			804000E03M003			0.3M			1200064435			804000H09M100G			10M				
	1200060116			803000E03M0505			5.05M			1200060032			804000E03M005			0.5M			1200658009			804000H09M100H			10M				
D	1200658889			803000E03M050H			5M			1200060426			804000E03M010			1M			1200658191			804000H09M150			1.5M				
	1200062071			803000E03M060			6M			1200060014			804000E03M020			2M			1200658218			804000H09M150G			1.5M				
	1200060003			803000E03M100			10M			1200060427			804000E03M0201			2.01M			1200658880			804000H09M200			2M				
	1200658350			803000E03M1001			10.01M			1200061337			804000E03M0205			2.05M			1200065006			804000H09M250G			2.5M				
	1200060117			803000E03M1005			10.05M			1200658894			804000E03M020G			2M			1200062141			804000I03M003			0.3M				
	1200060119			803000E03M150			10.5M			1200062866			804000E03M020H			2M			1200658599			804000I03M010			1M				
C	1200060121			803000E03M200			20M			1200060428			804000E03M030			3M			1200658701			804000I03M10G			1M				
	1200060124			803000E03M2505			25.05M			1200063443			804000E03M030H			3M			1200060452			804000I03M020			2M				
	1200658636			803000H09M010			1M			1200658570			804000E03M040			4M			1200658702			804000I03M020G			2M				
	1200658637			803000H09M015			1.5M			1200060015			804000E03M050			5M			1200060454			804000I03M030			3M				
	1200658175			803000H09M020			2M			1200060429			804000E03M0501			5.01M			1200658703			804000I03M030G			3M				
	1200658638			803000H09M030			3M			1200060430			804000E03M0505			5.05M			1200658600			804000I03M040			4M				
B	1200658639			803000H09M040			4M			1200658288			804000E03M050G			5M			1200658704			804000I03M040G			4M				
	1200658176			803000H09M050			5M			1200062130			804000E03M050H			5M			1200060017			804000I03M050			5M				
	1200658177			803000H09M100			10M			1200658782			804000E03M060			6M			1200658705			804000I03M050G			5M				
	1200062852			803000I03M015			1.5M			1200658896			804000E03M075			7.5M			1200063205			804000I03M060			6M				
	1200060145			803000I03M020			2M			1200060016			804000E03M100			10M			1200064230			804000I03M080			8M				
	1200658593			803000I03M040			4M			1200063407			804000E03M1001			10.01M			1200060033			804000I03M100			10M				
A	1200060030			803000I03M050			5M			1200658270			804000E03M1005			10.05M			1200061970			804000I03M100A			10M				
	1200060148			803000I03M100			10M			1200658882			804000E03M100H			10M			1200658706			804000I03M100G			10M				
	1200061559			803000I20M100			10M			1200064422			804000E03M120			10.2M			1200061955			804000I03M200A			20M				
	1200651108			803000K05M020			2M			1200060431			804000E03M150			10.5M			1200061956			804000I03M300A			30M				
	1200651109			803000K05M040			4M			1200658475			804000E03M1501			10.51M			1200061957			804000I03M400A			40M				
	1200651110			803000K05M050			5M			1200062264			804000E03M1505			10.55M			1200063562			804000I04M030G			3M				
A	1200651111			803000K05M060			6M			1200060432			804000E03M200			20M			1200064164			804000I20M020			2M				
	1200651112			803000K05M100			10M			1200063647			804000E03M2001			20.01M			1200658221			804000I20M050			5M				
	1200061765			803000P03M002			0.2M			1200062992			804000E03M200H			20M			1200064161			804000I20M100			10M				
	1200062098			803000P03M006			0.6M			1200061528			804000E03M250			20.5M			1200658543			804000I20M150			10.5M				
	1200060152			803000P03M010			1M			1200061913			804000E03M300			30M			1200652022			804000K03M006			0.6M				
	1200060004			803000P03M020			2M			1200658228			804000E03M3001			30.01M			1200651287			804000K03M010			1M				
A	1200060153			803000P03M030			3M			1200658891			804000H09M003			0.3M			1200651288			804000K03M020			2M				
	1200065012			803000P03M030G			3M			ENTER DESCRIPTION EC NO: PG2014-0972 2 DRWN:PMERUNKA 2013/11/26 CHKD:FSCHAUHAUSER2014/06/10 APPR:RSILLER 2014/06/18 REV			QUALITY SYMBOLS ▽=0 ▽=0			GENERAL TOLERANCES (UNLESS SPECIFIED) 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 2012/04/23 CHECKED BY DATE APOHL 2013/11/15 APPROVED BY DATE APOHL 2013/11/18 MATERIAL NO. SEE TABLE			SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION CSE M12 XP AC FE STR XM SE UNSH molex SD-120065-050 SHEET NO. 3 OF 5							
	1200064093			803000P03M032			3.2M																						
	1200658610			803000P03M040			4M																						
	1200060005			803000P03M050			5M																						
	1200651769			803000P03M050G			5M																						
1200063415			803000P03M0707			7.07M																							
1200060006			803000P03M100			10M																							
1200063673			803000P03M1001			10.01M																							
1200062811			803000P03M100H			10M																							
1200060157			803000P03M150			10.5M																							
1200060158			803000P03M200			20M																							

fb_frame_A3_P_AM_T
Rev E1 2012/01/25

	10	9	8	7	6	5	4	3	2	1																	
F	PART NUMBER	NUMERICAL CODE	CABLE LENGTH "L" IN M	PART NUMBER	NUMERICAL CODE	CABLE LENGTH "L" IN M	PART NUMBER	NUMERICAL CODE	CABLE LENGTH "L" IN M																		
	1200650886	804000K03M0208	2.03M	1200651780	804000P03M050G	5M	1200658632	805000H09M010	1M																		
	1200651290	804000K03M030	3M	1200062347	804000P03M050H	5M	1200658633	805000H09M015	1.5M																		
	1200651291	804000K03M040	4M	1200010068	804000P03M050W	5M	1200658172	805000H09M020	2M																		
	1200651292	804000K03M0402	4.02M	1200652144	804000P03M060	6M	1200658634	805000H09M030	3M																		
	1200650887	804000K03M0408	4.08M	1200651782	804000P03M100	10M	1200658635	805000H09M040	4M																		
	1200651293	804000K03M050	5M	1200064390	804000P03M1001	10.01M	1200658173	805000H09M050	5M																		
	1200651295	804000K03M0502	5.02M	1200658492	804000P03M100G	10M	1200658174	805000H09M100	10M																		
E	1200650888	804000K03M0508	5.08M	1200062167	804000P03M100H	10M	1200658780	805000H09M200	20M																		
	1200651296	804000K03M060	6M	1200010069	804000P03M100W	10M	1200658605	805000103M010	1M																		
	1200651297	804000K03M0602	6.02M	1200064033	804000P03M120	10.2M	1200658283	805000103M020	2M																		
	1200651298	804000K03M070	7M	1200062853	804000P03M150	10.5M	1200060644	805000103M030	3M																		
	1200651299	804000K03M080	8M	1200010070	804000P03M150W	10.5M	1200658606	805000103M040	4M																		
	1200651300	804000K03M100	10M	1200060461	804000P03M200	20M	1200062003	805000103M050	5M																		
	1200650889	804000K03M1008	10.08M	1200658806	804000P04M003	0.3M	1200063824	805000103M050G	5M																		
	1200651302	804000K03M120	10.2M	1200063017	804000P04M008B	0.83M	1200060645	805000103M100	10M																		
D	1200651303	804000K03M150	10.5M	1200063114	804000P04M0163	1.63M	1200655025	805000103M100G	10M																		
	1200651304	804000K03M200	20M	1200658807	804000P04M020	2M	1200658817	805000126M010	1M																		
	1200651120	804000K05M010	1M	1200062364	804000P04M020G	2M	1200061727	805000126M050	5M																		
	1200651121	804000K05M020	2M	1200064072	804000P82M006	0.6M	1200062969	805000126M100	10M																		
	1200651122	804000K05M030	3M	1200655336	804000P82M0107	1.07M	1200658553	805000126M150	10.5M																		
	1200651123	804000K05M040	4M	1200064044	804000P82M020	2M	1200658554	805000126M200	20M																		
	1200651124	804000K05M050	5M	1200062254	804000P82M0207	2.07M	1200658555	805000126M250	20.5M																		
	1200651125	804000K05M060	6M	1200060466	804000P82M030	3M	1200651367	805000K03M020	2M																		
C	1200651126	804000K05M100	10M	1200655605	804000P82M0307	3.07M	1200651368	805000K03M030	3M																		
	1200651127	804000K05M200	20M	1200060035	804000P82M0507	5.07M	1200651369	805000K03M040	4M																		
	1200651306	804000K05M300	30M	1200060468	804000P82M100	10M	1200651370	805000K03M050	5M																		
	1200658609	804000P02M020	2M	1200060036	804000P82M1007	10.7M	1200652040	805000K03M0508	5.08M																		
	1200658927	804000P02M050	5M	1200658902	804000P82M2007	20.7M	1200651371	805000K03M060	6M																		
	1200063402	804000P03M003	0.3M	1200658502	805000E03M005	0.5M	1200651372	805000K03M080	8M																		
	1200010061	804000P03M003W	0.3M	1200658208	805000E03M0061	0.61M	1200651373	805000K03M100	10M																		
	1200658321	804000P03M005	0.5M	1200063314	805000E03M010	1M	1200060646	805000P03M003	0.3M																		
B	1200063940	804000P03M0051	0.51M	1200060634	805000E03M020	2M	1200658197	805000P03M010	1M																		
	1200063121	804000P03M0053	0.53M	1200658503	805000E03M0201	2.01M	1200060647	805000P03M020	2M																		
	1200010062	804000P03M005W	0.5M	1200658165	805000E03M030	3M	1200065004	805000P03M0201	2.01M																		
	1200061785	804000P03M006	0.6M	1200658592	805000E03M040	4M	1200062521	805000P03M030	3M																		
	1200063227	804000P03M0063	0.63M	1200651978	805000E03M050	5M	1200658020	805000P03M040	4M																		
	1200010063	804000P03M006W	0.6M	1200658210	805000E03M0501	5.01M	1200651792	805000P03M050	5M																		
	1200658064	804000P03M010	1M	1200658331	805000E03M050H	5M	1200658977	805000P03M050G	5M																		
	1200658622	804000P03M010G	1M	1200060638	805000E03M100	10M	1200658990	805000P03M050H	5M																		
A	1200010064	804000P03M010W	1M	1200658928	805000E03M1001	10.01M	1200652154	805000P03M060	6M																		
	1200658545	804000P03M015	1.5M	1200655081	805000E03M150	10.5M	1200060649	805000P03M100	10M																		
	1200010065	804000P03M015W	1.5M	1200658081	805000E03M200	20M	1200658991	805000P03M100H	10M																		
	1200060018	804000P03M020	2M	1200063779	805000E03M300	30M	1200061431	805000P03M150	10.5M																		
	1200060456	804000P03M0201	2.01M																								
	1200010066	804000P03M020W	2M																								
	1200010776	804000P03M020X	2M																								
	1200060034	804000P03M025	2.5M																								
<table><tr><td rowspan="10">ENTER DESCRIPTION EC NO.: IPG2014-0972 DRWN:PMERUNKA 2013/11/26 CHKD:FSCHAFHAUSER2014/06/10 APPR:RSILLER 2014/06/18 2</td><td rowspan="10">DESCRIPTION</td><td rowspan="10">QUALITY SYMBOLS ▽=0 ▽=0</td><td rowspan="10">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</td><td rowspan="10">DIMENSION STYLE MM ONLY DRAWN BY DATE PMERUNKA 2012/04/23 CHECKED BY DATE APOHL 2013/11/15 APPROVED BY DATE APOHL 2013/11/18 MATERIAL NO. SEE TABLE</td><td rowspan="10">SCALE 1:1 TITLE CSE M12 XP AC FE STR XM SE UNSH molex SD-120065-050</td><td rowspan="10">DESIGN UNITS METRIC THIRD ANGLE PROJECTION</td><td rowspan="10">SHEET NO. 4 OF 5</td></tr><tr><td>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table>											ENTER DESCRIPTION EC NO.: IPG2014-0972 DRWN:PMERUNKA 2013/11/26 CHKD:FSCHAFHAUSER2014/06/10 APPR:RSILLER 2014/06/18 2	DESCRIPTION	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 2012/04/23 CHECKED BY DATE APOHL 2013/11/15 APPROVED BY DATE APOHL 2013/11/18 MATERIAL NO. SEE TABLE	SCALE 1:1 TITLE CSE M12 XP AC FE STR XM SE UNSH molex SD-120065-050	DESIGN UNITS METRIC THIRD ANGLE PROJECTION	SHEET NO. 4 OF 5	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
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