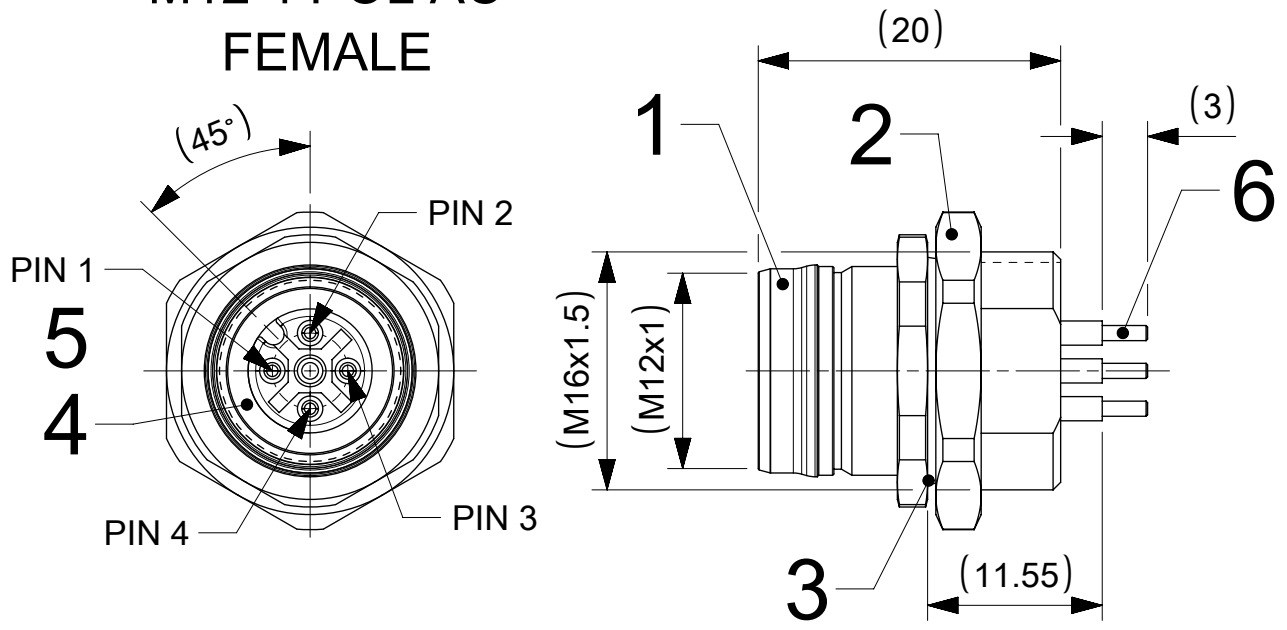
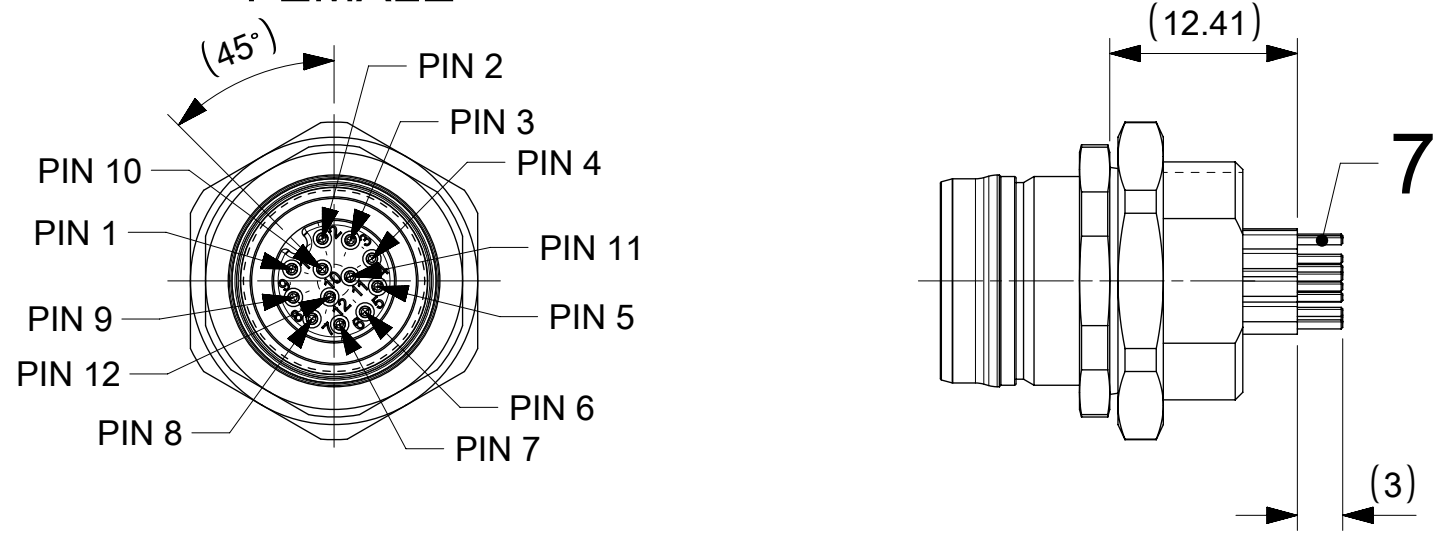


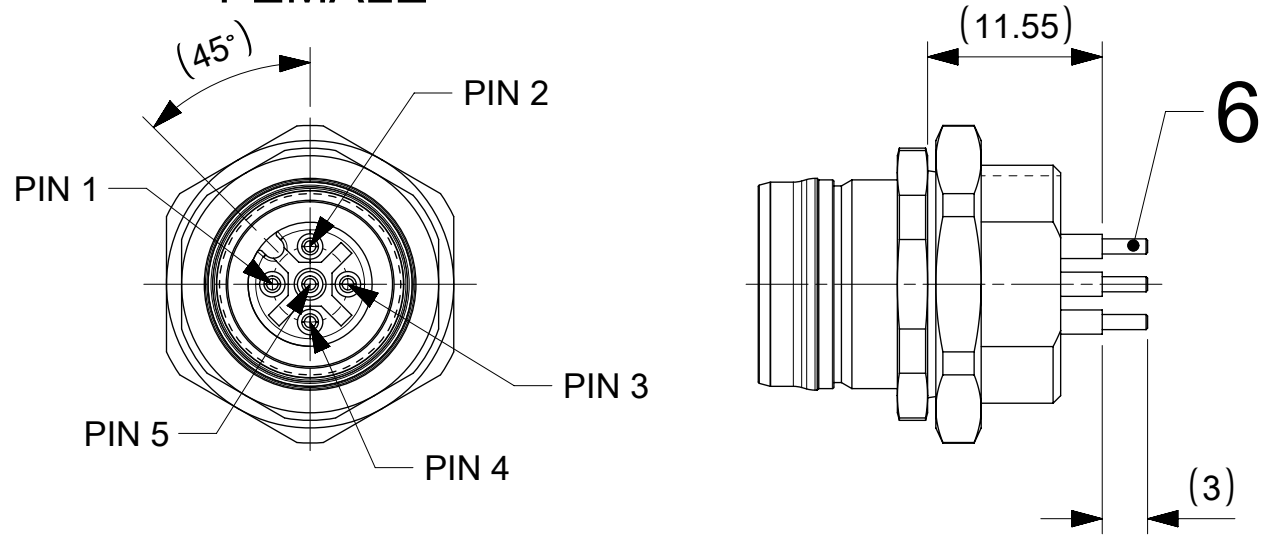
M12 4 POL AC
FEMALE



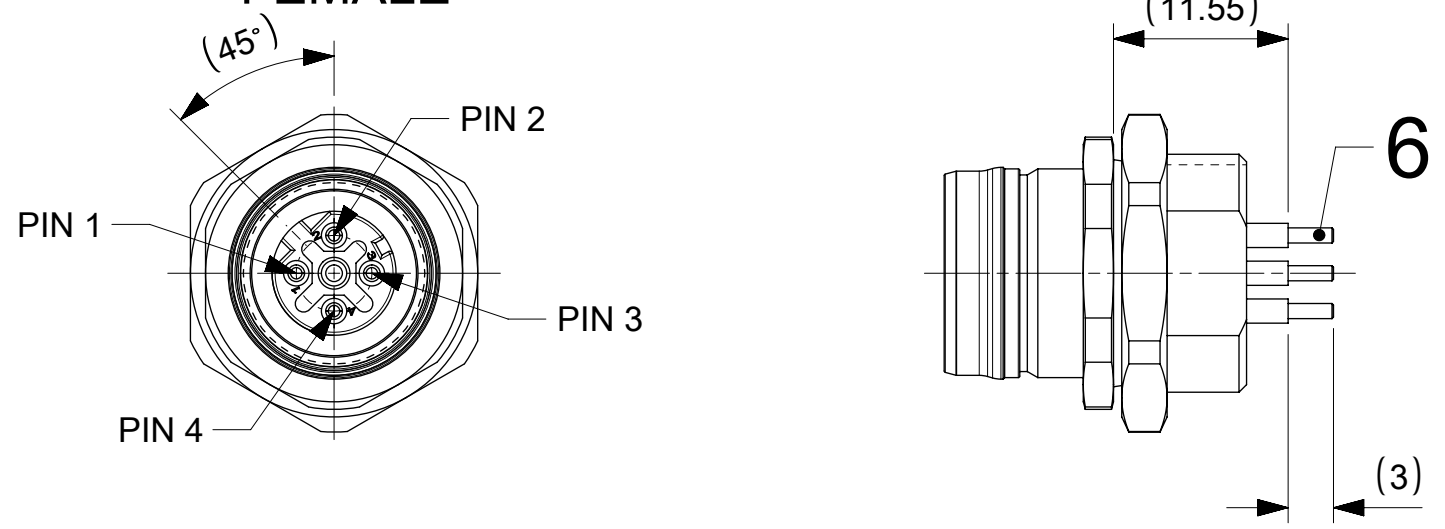
M12 12 POL AC
FEMALE



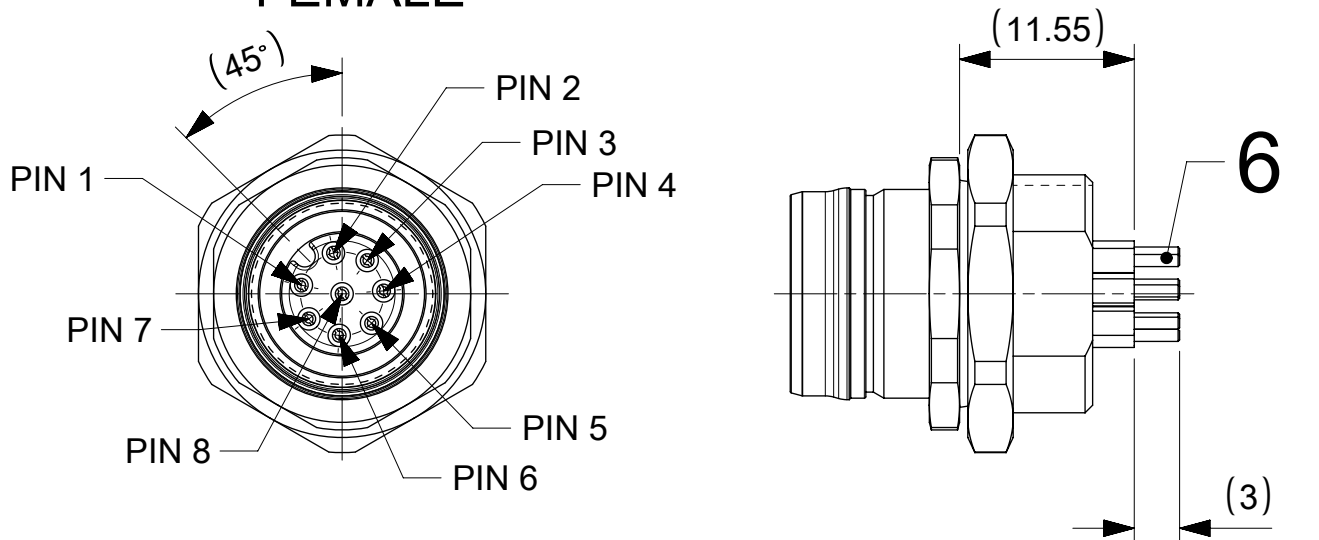
M12 5 POL AC
FEMALE



M12 4 POL DC
FEMALE



M12 8 POL AC
FEMALE



FUNCTIONAL 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: DIMENSIONS OF THE CONTACT POSITION OF THE 12P RECEPTACLE UPDATED			molex							
	mm	2:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± 1.0 °														
	4 PLACES		±		EC NO: 746703		REC U12 XP XC FE M16 FM SOL BRASS NI								
	3 PLACES		±		DRWN: FDAFERNER 2023/04/18										
	3 PLACES		±		CHK'D: RSILLER 2023/04/19										
	2 PLACES		± 0.05		APPR: RSILLER 2023/04/19		PRODUCT CUSTOMER DRAWING								
	1 PLACE		± 0.3		INITIAL REVISION: DRWN: FDAFERNER 2021/02/15 APPR: RSILLER 2022/07/12										
0 PLACES		± 0.5		DOCUMENT NUMBER			DOC TYPE		DOC PART		REVISION				
DIVISIONAL SYMBOLS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120404		SEE PART LIST		GENERAL MARKET		1 OF 3	

TABLE 1 - 4P A-CODE

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	SHELL M16 FE BRASS FM L20 NI REC U12	BRASS	Ni
2	1	M16 X 1.5 LOCKNUT NICKEL PLATED		
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED
5	1	INSERT M12 FE 4P AC TPU BK UNSH	TPU	BLACK
6	4	MMC-FE.CONTACT(TURNED) PCB	BRASS	Au
7	-	POTTING MATERIAL	-	-

TABLE 2 - 5P A-CODE

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	SHELL M16 FE BRASS FM L20 NI REC U12	BRASS	Ni
2	1	M16 X 1.5 LOCKNUT NICKEL PLATED		
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED
5	1	INSERT M12 FE 5P AC TPU BK UNSH	TPU	BLACK
6	5	MMC-FE.CONTACT(TURNED) PCB	BRASS	Au
7	-	POTTING MATERIAL	-	-

TABLE 3 - 8P A-CODE

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	SHELL M16 FE BRASS FM L20 NI REC U12	BRASS	Ni
2	1	M16 X 1.5 LOCKNUT NICKEL PLATED		
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED
5	1	INSERT M12 FE 8P AC REC PUR BK UNSH	PUR	BLACK
6	8	M12-Fem-Contact	BRASS	Au
7	-	POTTING MATERIAL	-	-

PART LIST 4P AC

MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION
1204040026	YR4U20000	REC U12 4P AC FE M16 FM SOL BRASS NI

PART LIST 5P AC

MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION
1204040027	YR5U20000	REC U12 5P AC FE M16 FM SOL BRASS NI

PART LIST 8P AC

MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION
1204040028	YR8U20000	REC U12 8P AC FE M16 FM SOL BRASS NI

DOCUMENT STATUS	P1	RELEASE DATE	2023/04/19	14:38:31
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TABLE 4 - 12P A-CODE

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	SHELL M16 FE BRASS FM L20 NI REC U12	BRASS	Ni
2	1	M16 X 1.5 LOCKNUT NICKEL PLATED		
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED
5	1	INSERT M12 FE 12P AC PUR BK SHD	PUR	BLACK
6	1	M12S-FRONT SHELL-FEMALE SHIELD	BRASS	Ni
7	12	CONTACT 6 FE TUR AU SO		Au
8	-	POTTING MATERIAL	-	-

TABLE 5 - 4P D-CODE

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	SHELL M16 FE BRASS FM L20 NI REC U12	BRASS	Ni
2	1	M16 X 1.5 LOCKNUT NICKEL PLATED		
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK
6	4	MMC-FE.CONTACT(TURNED) PCB	BRASS	Au
7	-	POTTING MATERIAL	-	-

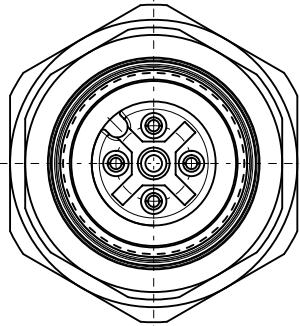
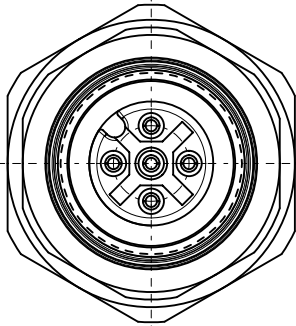
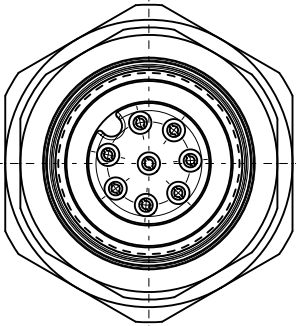
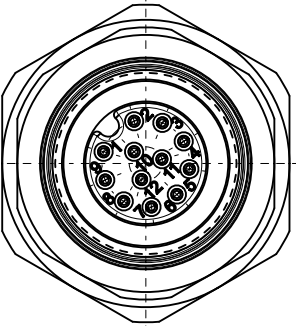
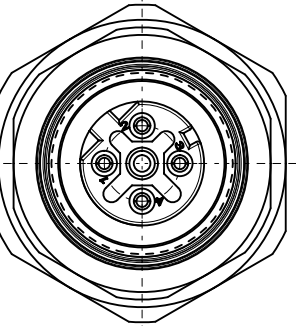
PART LIST 12P AC

MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION
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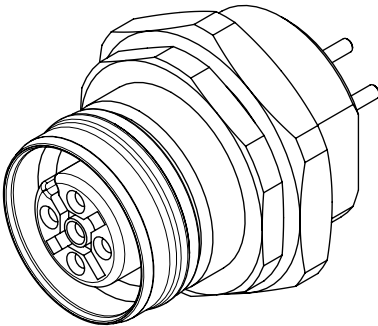
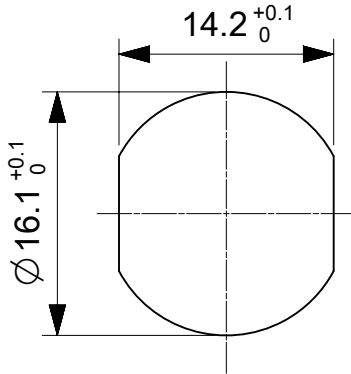
PART LIST 4P DC

MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION
1204062003	ERYD2U20000	REC U12 4P DC FE M16 FM SOL BRASS NI

FUNCTIONAL SYMBOLS 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: DIMENSIONS OF THE CONTACT POSITION OF THE 12P RECEPTACLE UPDATED EC NO: 746703 DRWN: FDAFERNER2023/04/18 CHK'D: RSILLER2023/04/19 APPR: RSILLER2023/04/19 INITIAL REVISION: DRWN: FDAFERNER2021/02/15 APPR: RSILLER2022/07/12						molex REC U12 XP XC FE M16 FM SOL BRASS NI							
	mm			2:1									PRODUCT CUSTOMER DRAWING							
	GENERAL TOLERANCES (UNLESS SPECIFIED)																			
	ANGULAR TOL ± 1.0 °																			
	4 PLACES			±															DOCUMENT NUMBER	
	3 PLACES			±									1204040026		PSD		000		B	
	2 PLACES			± 0.05																
	1 PLACE			± 0.3																
	0 PLACES			± 0.5																
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						THIRD ANGLE PROJECTION			DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
									A3-SIZE		120404		SEE PART LIST		GENERAL MARKET		2 OF 3			

POLES	4 POLE		5 POLE		8 POLE		12 POLE		4 POLE	
LAYOUT										
VOLTAGE RATING	250V		60V		30V		30V		250V	
CODING	A - Code		A - Code		A - Code		A - Code		D - Code	
AMPERE RATING	4A		4A		2A		1.5A		4A	
PROTECTION CLASS CONNECTOR INTERFACE SHELL TO ENCLOSURE	IP 67/69K (in mated condition / when properly installed)									
OPERATING TEMP.	-40°C / 85°C									
UL CERTIFICATION	FILE NO. E152210									
CSA CERTIFICATION	FILE NO. LR6837									
WIRE LEAD	0.34 mm ² PVC		0.34 mm ² PVC		0.25 mm ² PVC		0.14 mm ² PVC		0.34 mm ² PVC	
PIN DIAMETER	1.0 mm		1.0 mm		0.8 mm		0.6 mm		1.0 mm	
WIRE COLOR	ACCORDING TO IEC 60947-5-2				ACCORDING TO DIN 47100				ACC. TO IEC 60947-5-2	

RECOMMENDED PANEL CUTOUT



NOTE:
1. PANEL THICKNESS MAX. 5.3mm
2. PACKAGING: 40 PC RECEPTACLES ARE PACKED IN ONE TRAY
AND 6 TRAYS ARE PACKED IN ONE CARDBOARD BOX

FUNCTIONAL SYMBOLS THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION FUNCTIONAL SYMBOLS THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: DIMENSIONS OF THE CONTACT POSITION OF THE 12P RECEPTACLE UPDATED			molex		
	FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: DIMENSIONS OF THE CONTACT POSITION OF THE 12P RECEPTACLE UPDATED			REC U12 XP XC FE M16 FM SOL BRASS NI		
	FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: DIMENSIONS OF THE CONTACT POSITION OF THE 12P RECEPTACLE UPDATED			PRODUCT CUSTOMER DRAWING		
	FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: DIMENSIONS OF THE CONTACT POSITION OF THE 12P RECEPTACLE UPDATED			DOCUMENT NUMBER		
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	FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: DIMENSIONS OF THE CONTACT POSITION OF THE 12P RECEPTACLE UPDATED			000		
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: DIMENSIONS OF THE CONTACT POSITION OF THE 12P RECEPTACLE UPDATED			B			
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: DIMENSIONS OF THE CONTACT POSITION OF THE 12P RECEPTACLE UPDATED			SHEET NUMBER			
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: DIMENSIONS OF THE CONTACT POSITION OF THE 12P RECEPTACLE UPDATED			3 OF 3			