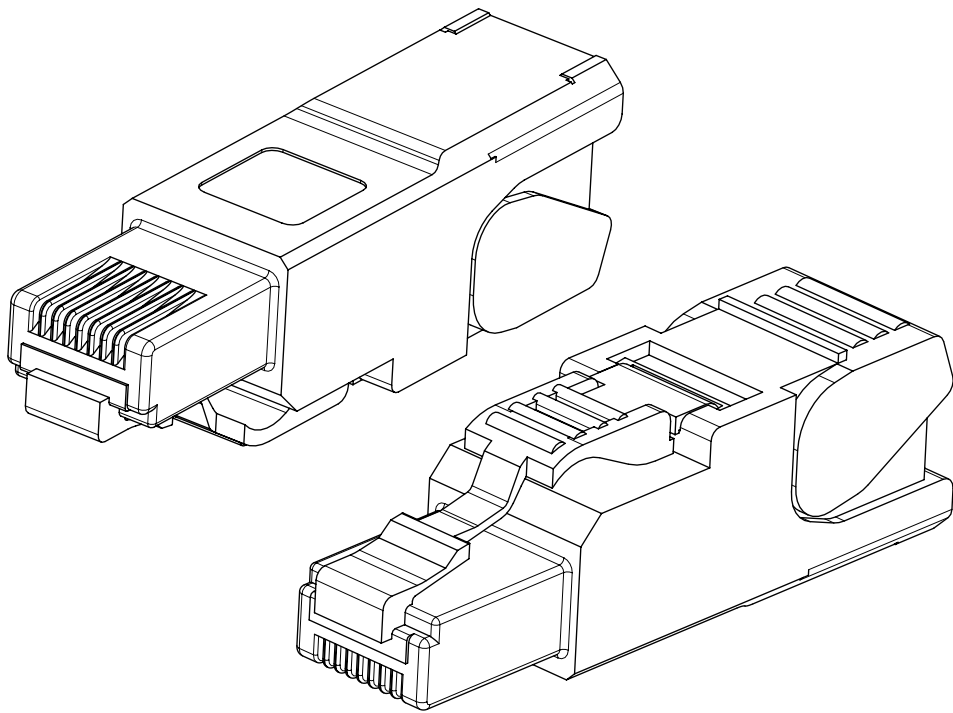
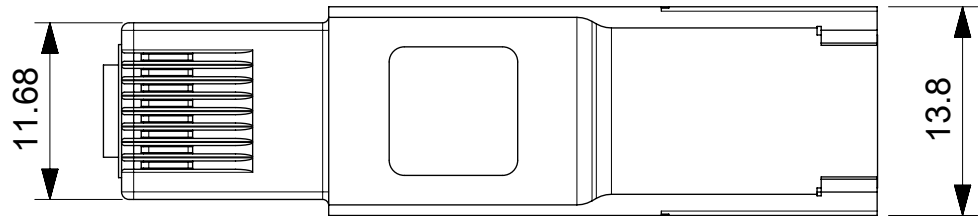
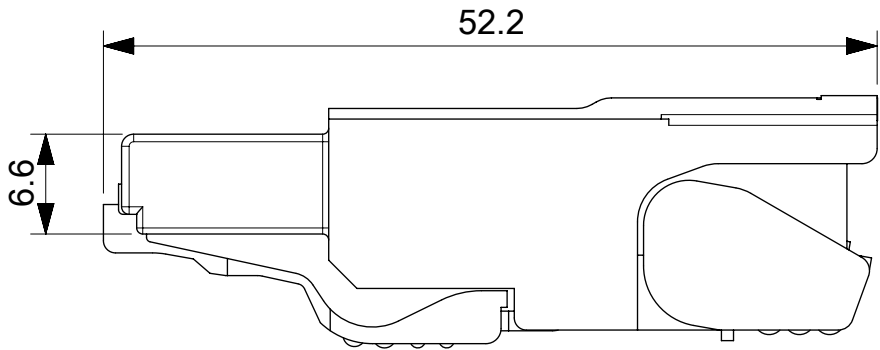




CONNECTION				APPLICATION	
COLOUR OF CODE T568		Profinet	RJ45 PIN No.	10 BT / 100 BT	1 Gigabit/ 10 Gigabit Ethernet
A	B				
W - G	W - O	YE	1	●	●
G	O	OG	2	●	●
W - O	W - G	WH	3	●	●
BL	BL	-	4		●
W - BL	W - BL	-	5		●
O	G	BU	6	●	●
W - BR	W - BR	-	7		●
BR	BR	-	8		●

DOCUMENT STATUS	P1	RELEASE DATE	2023/11/16	15:23:25
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FORMAT: master-b-prod-A3
REVISION: 11
DATE: 2021/05/01

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TECHNICAL DATA	
IEC 60603-7-51	CONNECTOR STANDARD
	MECHANICAL CHARACTERISTICS
< 30 N	INSERTION FORCE
> 750	LIFE
min. 50 N	CABLE TO PLUG TENSILE STRENGTH
	MATERIALS
ZINC DIECAST Ni PLATED	CONNECTING HOUSING
PC UL 94 V0 CRYSTAL CLEAR	CONTACT HOUSING
PC UL94 V0 WHITE	WIRE PRESORTING
PBT UL94 V0 BLACK	STRAIN RELIEF LEVER
PBT UL94 V0 BLACK	HOOK, PROTECTION CAP
FR4 UL94 V0	PCB
Phosphor Bronze, min. 3...6 µm Sn	PIERCING CONTACTS
BRASS 2,5µm N1	SHIELD CONTACT
SPRING STEEL 0,8 µm Au; 1,2 µm Ni	CONTACTS
RoHS-COMPLIANT	DIRECTIVE 2001/65/EU (RoHS)
	WIRE CONNECTION
SOLID 0,51 - 0,64 mm AWG24 - AWG 22/ STRANDED 0,46 - 0,76 mm AWG27 - AWG22/7 *STRANDED 0,61 - 0,78 mm AWG24 - AWG22/19	Cu-CONDUCTOR DIAMETER
SOLID 0,41 - 0,51 mm AWG26 - AWG 24/1 STRANDED 0,46 - 0,61 mm AWG27 - AWG24/7 *STRANDED 0,51 AWG26/19	Cu-CONDUCTOR DIAMETER
1,0 - 1,6 mm	CORE DIAMETER
0,85 - 1,1 mm	INSULATION DIAMETER
5,0 - 9,0 mm	CABLE DIAMETER

ENG.-NO.: E6AS06-5

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: TWO COLUMNS AND GERMAN TEXT REMOVED						
	mm		2:1								
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 769109 DRWN: RSCHIEBER 2023/11/15 CHK'D: RSILLER 2023/11/16 APPR: RSILLER 2023/11/16 INITIAL REVISION: DRWN: KGRUEDL 2015/11/25 APPR: CBRUNS 2016/04/07						
	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					THIRD ANGLE PROJECTION		DRAWING		SERIES		
							A3-SIZE		130047		
molex											
FA RJ45 CAT6A 8P MA STR SHLD IPC AWG22											
PRODUCT CUSTOMER DRAWING											
DOCUMENT NUMBER						DOC TYPE		DOC PART		REVISION	
1300478008						PSD		000		A2	
MATERIAL NUMBER					CUSTOMER			SHEET NUMBER			
SEE TABLE 1								1 OF 2			

