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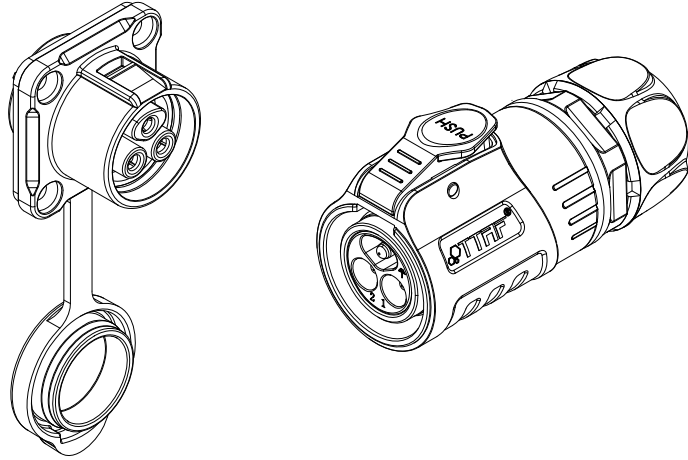
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1 Material Designation: TT30 series waterproof connector



2 Materials Processes, Surface Treatment

2.1 Contact

Materials: Male Pin: Brass; Female Pin: Phosphor Bronze

Processes: Machining

Surface Treatment: Gold Plating for 4u" over nickel

2.2 Shell

Materials: PBT


Processers: Injection

2.3 Insulator

Materials: PBT

Processes: Injection

Color: Black

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Designed by	Zafer BÖLÜKBAŞI	-				TT30 Series Waterproof Connector		
Checked by	Fatih BOLACA							
						Drawing Nr.	Scale	Sheet No
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A4

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A

3 Material Introduction:

3.1 Packing and Storage:

The production are packed in plastic bag, The packing list must be set in every carton, which has been given clear information of material designation, part number, production order number、 packet quantity and total product quantity. The packaged production should be stored in the storeroom ,in which Environment Temperature is $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$,Relative humidity $\leq 85\%$,no acidic, alkaline and other corrosive gases.

3.2 Mating Type:

Mated with: HP20 connector(male)

3.3 Applicable Standards : TIA/EIA 568、 MIL、 IEC、 CNS Standards

3.4 Process Requirements:

3.4.1 According to form of terminal:

The form of terminal is welding, the welding must be firm and cannot have pseudo soldering

3.4.2 According to form of mounting:

Please see the mounting hole figure.

B

C


D

A

B

C

D

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A

A

PRODUCT CODE

Product series

Type of terminal

Connecting of Wire

Special code

M: male pin

0: solder

Material

F: female pin

Color

R: RJ45

U: USB

F: fiber-optical

B

B

TT

30

M

03

PE

0

1

001

C

C

Mounting size

Quantity of terminal

Category


Generation

PE: Plug

SX: Socket

D

D

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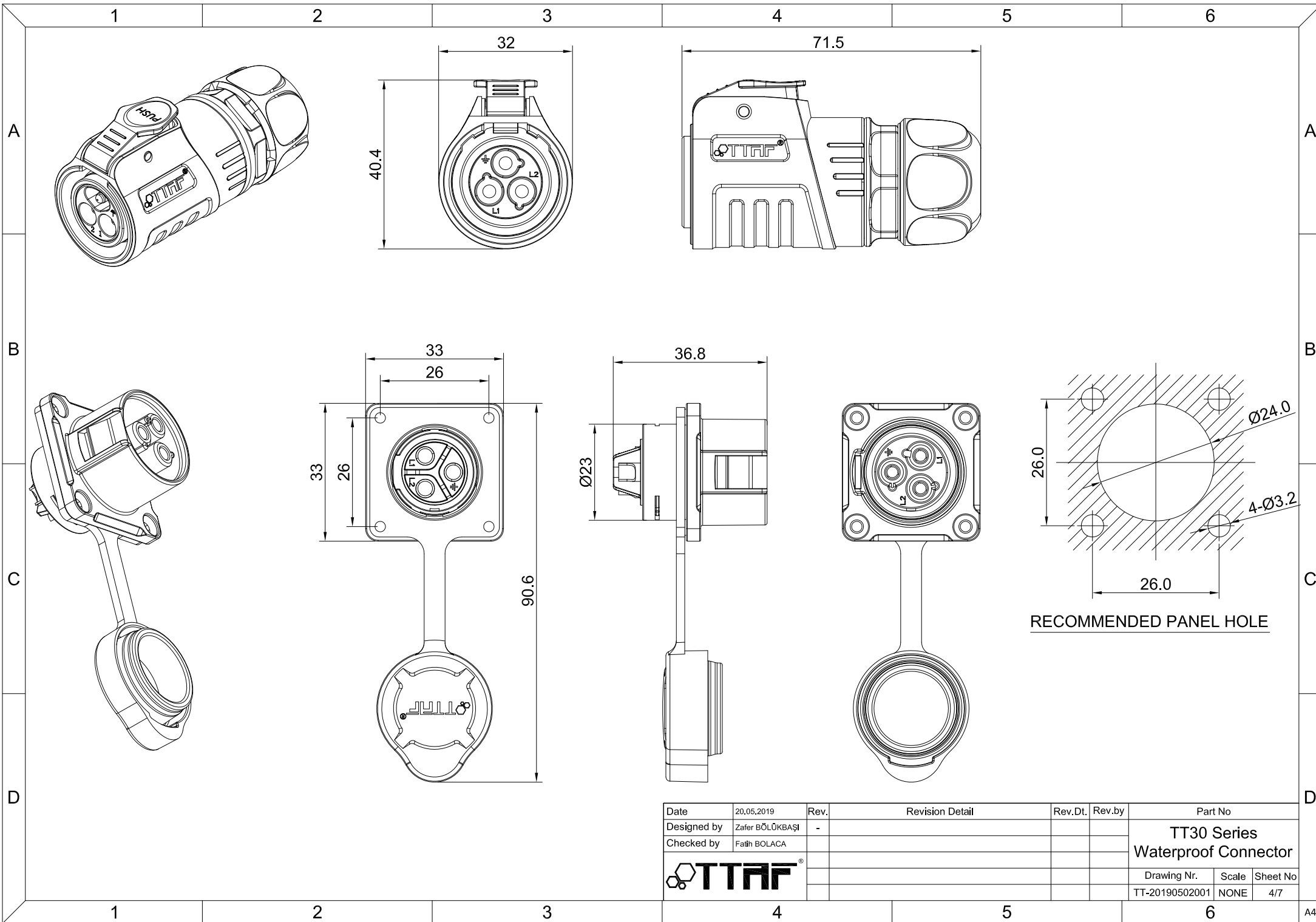
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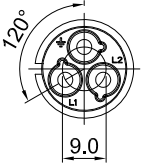
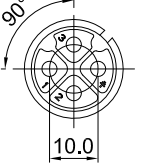
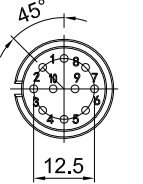
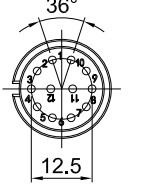
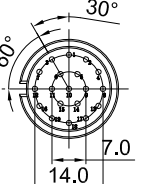
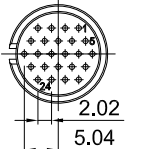
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Form No: FR-01/004 İY: 10/2003 Rev:06 09/01/2012



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4 Product Characteristics Form:

Number of pins						
	THREE PINS	FOUR PINS	TEN PINS	TWELVE PINS	NINETEEN PINS	TWENTY FOUR PINS
Rated current	22A		10A		3A	
Operating voltage	500V		250V		125V	
Withstanding voltage	2500V		2500V		1500V	
Contact resistance	<1mΩ		<3mΩ		<5mΩ	
Temperature rise	20A 30°C ↓ 25A 40°C ↓ 30A 50°C ↓		10A 30°C ↓ 15A 40°C ↓ 20A 50°C ↓		3A 30°C ↓ 7A 40°C ↓ 10A 50°C ↓	
Contact dimension	φ3.0*3	φ3.0*4	φ1.5*10	φ1.5*12	φ1.0*19	φ1.0*24
Maint cycle	1700 Times					


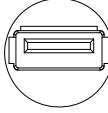

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Form No: FR-01/004 İY: 10/2003 Rev:06 09/01/2012

A	Screw torque	42-53 (N.m) Torque wrench 200 (N.m)	A
	Temperature and humidity	-40°C ~ +80°C; 40°C, 85%RH	
	Vibration	Frequency: 5~200Hz, Amplitude: 5mm, Speed: 10m/s, No instantaneous short circuit in 0.10us.	
B	Impact resistance	294m/s ²	B
	Salt spray	PH6.5~7.2, NaCl, 5% 48H	
	Applicable wire diameter	Scope of application (OD: φ10~φ14)mm for Power, 3/4/10/12/19/24pins Scope of application (OD: φ5~φ6.5)mm for Signal, USB, RJ45, Optical fiber	
C	Protection level	IP67	C
	Certification standard	Comply with the TUV and UL certification standards	
D	Operation tool	Design with national standard opening wrench (see attached table)	D

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5 Product Characteristics Form:

1	2	3	4	5	6
 <p>Applicable to data-signal</p>		 <p>Applicable to data-signal</p>		 <p>Applicable to data-signal</p>	
Connecting mode:Plug/Unplug		Connecting mode:Plug/Unplug		Connecting mode:Plug/Unplug	
Durability:500 mating cycles		Durability:500 mating cycles		Durability:500 mating cycles	
Receptable Housing:PBT,Black		Receptable Housing:PBT,Black		Receptable Housing:PBT,Black	
Cable specification: 0.15-0.2mm ² /26-24AWG		Cable specification: 0.15-0.2mm ² /26-24AWG		Cable specification: 0.15-0.2mm ² /26-24AWG	
Line diameter Scope: 5.5mm-7mm		Line diameter Scope: 5.5mm-7mm		Line diameter Scope: 5.5mm-7mm	
Operating temperature:-40°C -80°C		Operating temperature:-40°C -80°C		Operating temperature:-40°C -80°C	
Type:RJ45		Type:USB 3.0 or 2.0		Type:Fiber optics	
Waterproof level:IP65/IP67		Waterproof level:IP65/IP67		Waterproof level:IP65/IP67	
Rating Current:1.5A					
Contact resistance:<30mΩ					
Withstanding voltage: 1000V					

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