



VER 1.0

Accessory Manual



Integrated Stepper Electronics

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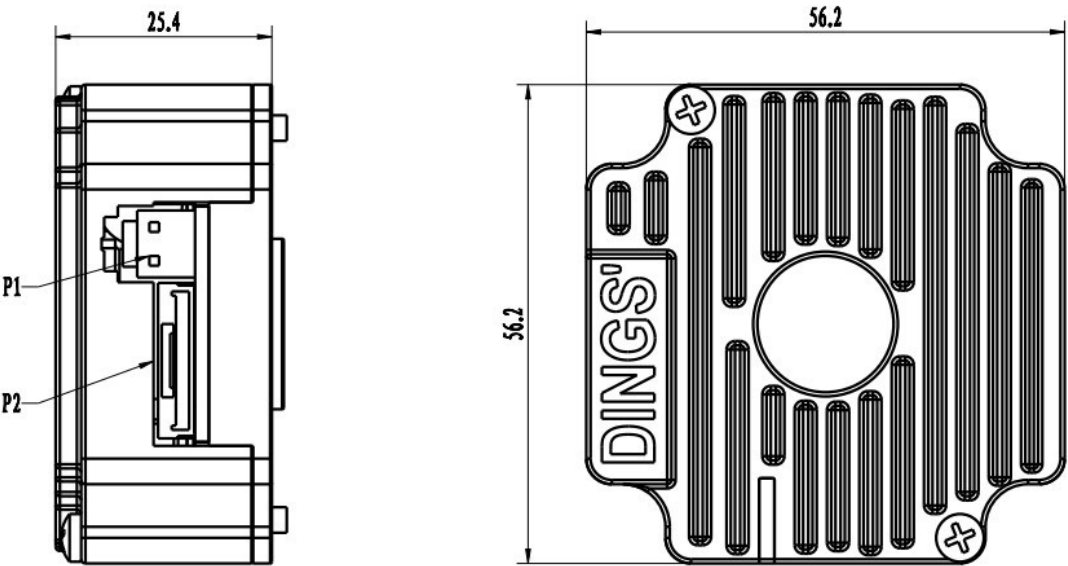
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1. DS-OL57-ISC (DS-OL57-IRS4 / DS-OL57-ICAO)



1.1 Dimensional Drawing

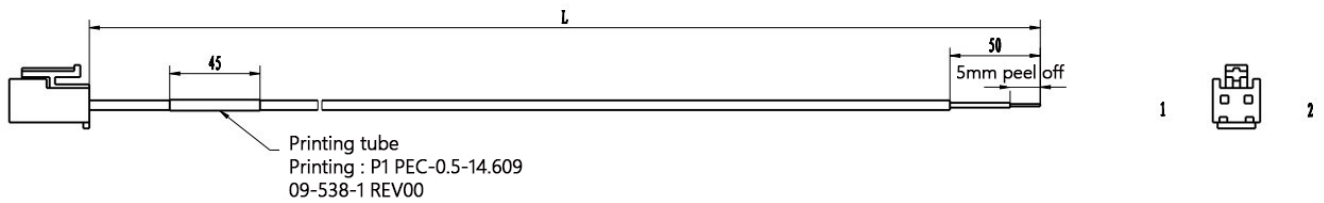
Unit : mm



1.2 Accessory

(1) Motor Extension Cable P1

Ordering Model	L (mm)	Item Number	Ver. number
PEC-0.5-14.609	500	09-538-1	REV 00
PEC-1.0-14.609	1000	09-538-2	REV 00
PEC-2.0-14.609	2000	09-538-3	REV 00



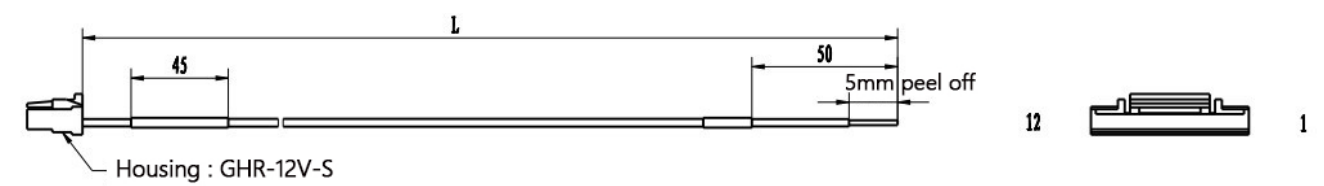
Interface Definition

PIN	DS-OL57-ISC DS-OL57-ICAO DS-OL57-IRS4	Color
1	GND	Black
2	V+	Red

(2) I/O Control Cable P2

Ordering Model	L(mm)	Item Number	Ver. number
I/OEC-0.5-14.551	500	09-505	REV 01
I/OEC-1.0-14.551	1000	09-505-1	REV 01
I/OEC-2.0-14.551	2000	09-505-2	REV 01

Connector Model : GHR-12V-S JST
Terminal Model : SSHL-002T-P0.2 Supplier : JST
Wire Harness : UL1571 AWG 30#



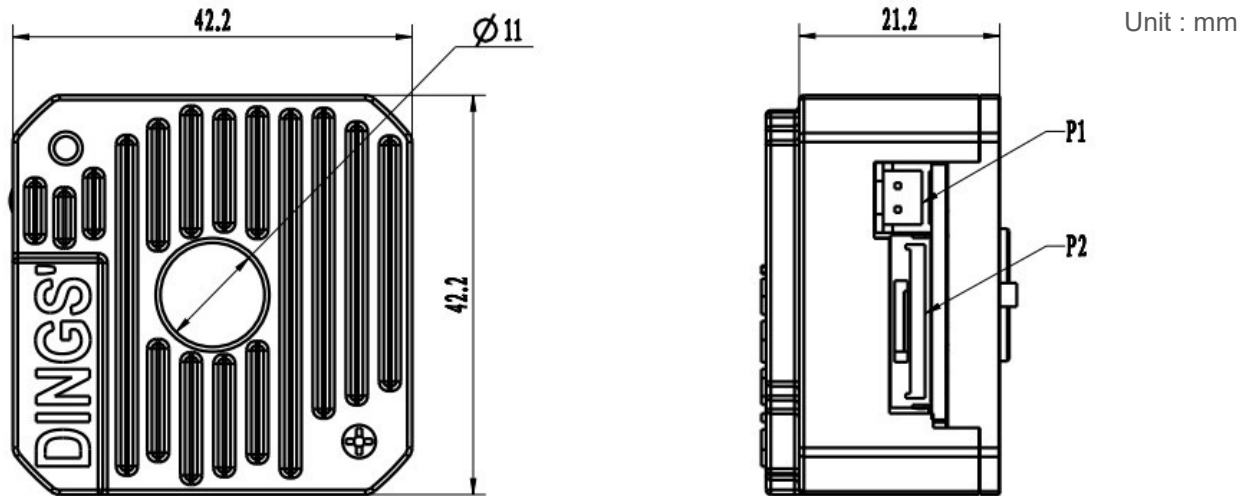
Interface Definition

PIN	DS-OL57-ISC	DS-OL57-IRS4	DS-OL57-ICAO	Color
1	485-A	IN1 +	485-A	Black
2	485-B	IN1 -	485-B	Red
3	IN1	IN2 +	IN1	Green
4	IN2	IN2 -	IN2	Brown
5	IN_COM	COMIN	IN_COM	White
6	IN3	IN3	IN3	Gray
7	NC	IN4	IN4	Yellow
8	NC	OUT+	OUT+	Orange
9	NC	OUT-	OUT-	Purple
10	AIN- (0V)	485-GND	CAN_GND	Blue
11	IN (AIN)	485-A	CANL	Pink
12	AIN+ (5V)	485-B	CANH	Light Blue

2. DS-OL42-ICAO (DS-OL42-IPD / DS-OL42-IRS4)



2.1 Dimensional Drawing

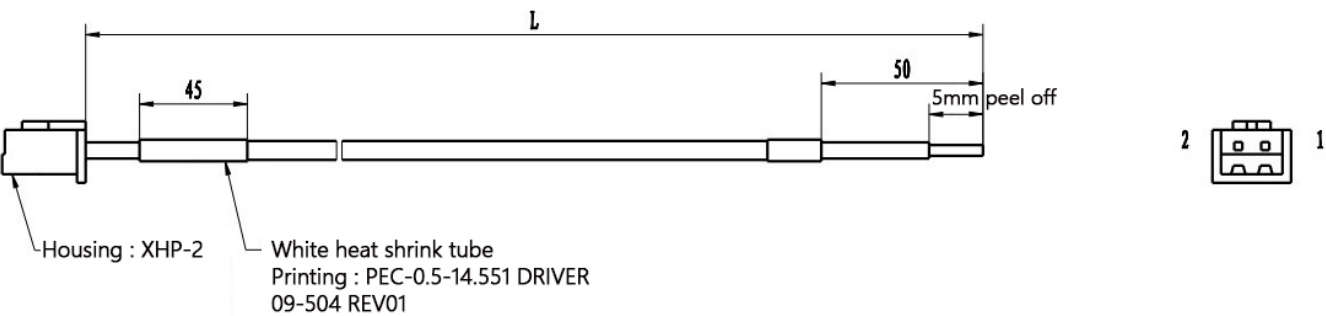


2.2 Accessory

(1) Motor Extension Cable P1

Ordering Model	L (mm)	Item Number	Ver. number
PEC-0.5-14.551	500	09-504	REV 01
PEC-1.0-14.551	1000	09-504-1	REV 01
PEC-2.0-14.551	2000	09-504-2	REV 01

Connector Model : XHP-2 Supplier : JST
Terminal Model : SXH-001T-P0.6 Supplier : JST
Wire Harness : UL1061 AWG 26#



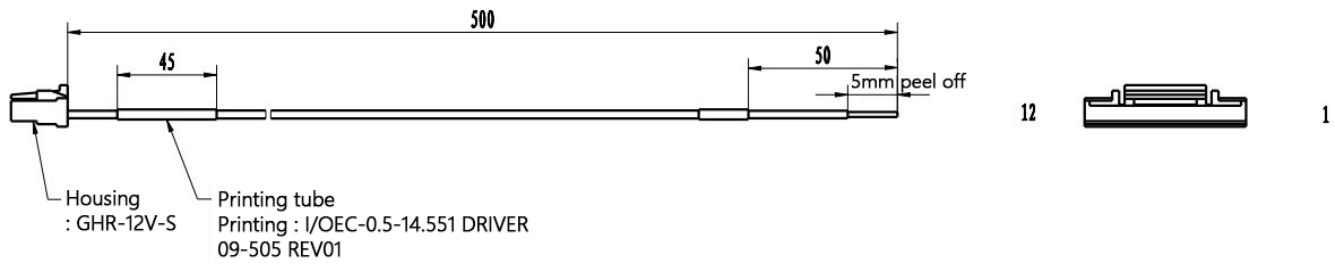
Interface Definition

PIN	DS-OL42-ICAO DS-OL42-IPD DS-OL42-IRS4	Color
1	+Vdc	Red
2	GND	Black

(2) I/O Control Cable P2

Ordering Model	L (mm)	Item Number	Ver. number
I/OEC-0.5-14.551	500	09-505	REV 01
I/OEC-1.0-14.551	1000	09-505-1	REV 01
I/OEC-2.0-14.551	2000	09-505-2	REV 01

Connector Model : GHR-12V-S JST
Terminal Model : SSHL-002T-P0.2 Supplier : JST
Wire Harness : UL1571 AWG 30#



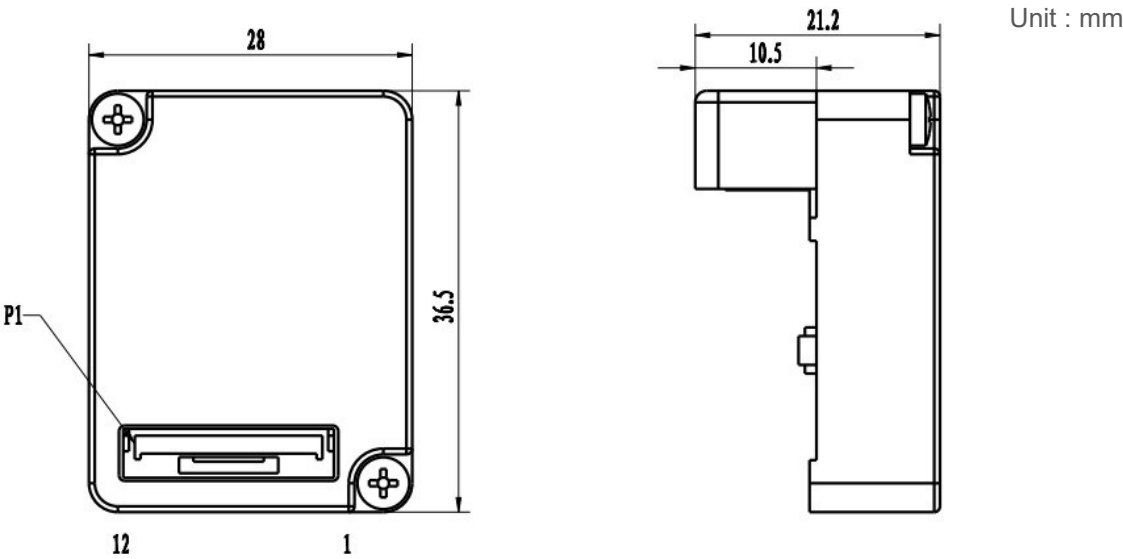
Interface Definition

PIN	DS-OL42-ICAO	DS-OL42-IPD	DS-OL42-IRS4	Color
1	RS485 +	STEP +	IN1 +	Red
2	RS485 -	STEP -	IN1 -	Orange
3	IN1	DIR +	IN2 +	Yellow
4	IN2	DIR -	IN2 -	Green
5	COMIN	COMIN	COMIN	Black
6	IN3	IN3	IN3	Blue
7	IN4	IN4	IN4	Purple
8	OUT+	OUT+	OUT+	Brown
9	OUT-	OUT-	OUT-	Gray
10	CAN_GND	RS485 GND	RS485 GND	Light Orange
11	CANL	RS485 +	RS485 +	White
12	CANH	RS485 -	RS485 -	Transparent

3. DS-CS28-IRS4 (DS-CL28-IPD)



3.1 Dimensional Drawing



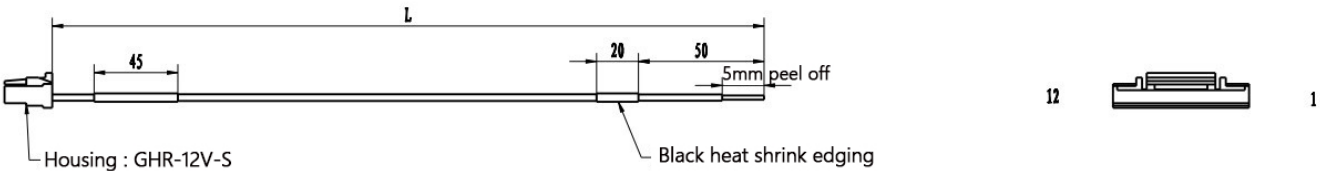
3.2 Accessory

(1) I/O Cable P1

Ordering Model	L (mm)	Item Number	Ver. number
IEC-1.0-14.582	1000	09-558-1	REV 00
IEC-3.0-14.582	3000	09-558-2	REV 00
IEC-5.0-14.582	5000	09-558-3	REV 00

Connector Model : GHR-12V-S

Wire Harness : Inner core 10P*26AWG, with shielding layer,
supporting 200W bending times, with drag chain



Interface Definition

PIN	DS-CL28-IRS4	DS-CL28-IPD	Color
1	GND	GND	Black
2	V +	V +	Red
3	485-A	485-A	Gray
4	485-B	485-B	White
5	OUT-	OUT-	Brown
6	OUT+	OUT+	Orange
7	IN3 -	FREE -	Blue
8	IN3 +	FREE +	Purple
9	IN2 -	DIR -	Pink
10	IN2 +	DIR +	Green
11	IN1 -	STEP -	Yellow
12	IN1 +	STEP +	Light Blue



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