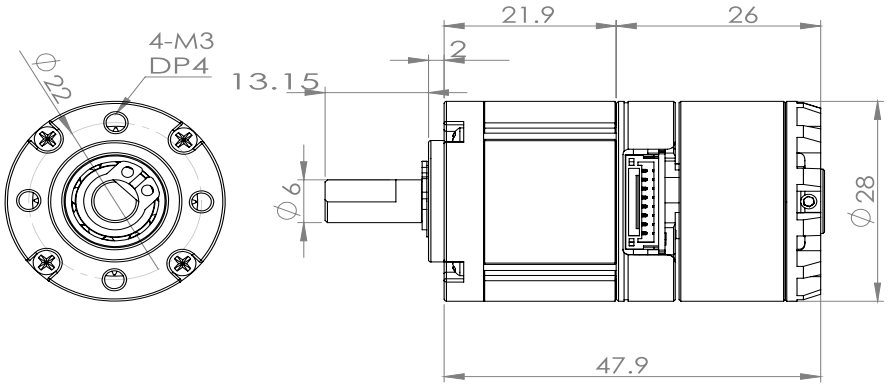
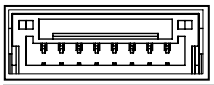






Connector:	GH1.25-F-8P
Cable：	GH8P-M-28AWG-15cm

Pin definition(left to right):

1.HW 2.HV 3.HU 4.GND 5.VCC 6.W 7.V 8.U

General Characteristics :

Basic Dimensions	Unit	
Diameter	mm	28
Body length	mm	47.9
Output shaft diameter	mm	6
Output shaft length	mm	13.15

Motor Features	Unit
Motor type	BLDC outrunner
Motor model	MX2210KV360HA
Pole pairs	7
Number of phases	3

*For more motor features please refer datasheet "MX2210KV360HA"

Gearbox Features	Unit	
Gearbox model		GP28L2A
Gearbox type		Planetary
Gearbox ratio	K	11.2/15.5/21.5*
Gearbox levels		2
Gearbox diameter	mm	28
Gearbox length	mm	21.9
Gearbox efficiency		90%
Operating torque	kg*cm	10
Braking torque	kg*cm	30

Nominal & Stall	Unit				*			*
Gearbox ratio	K	11.2	15.5	21.5	11.2	15.5	21.5
Nominal voltage	V	12	12	12	24	24	24
Noload speed	rpm	384	277	200	768	555	400
Nominal speed	rpm	295	213	153	643	465	335
Nominal torque	mNm	370	512	710	504	698	968
Nominal current	A	1.4	1.4	1.4	1.9	1.9	1.9
Maximal power	W	14.3	14.3	14.3	42.8	42.8	42.8
Maximal efficiency		75%	75%	75%	76%	76%	76%
Stall torque	Nm	1.2	1.6	2.3	2.4	3.3	4.5
Stall current	A	4.5	4.5	4.5	8	8	8

*Ratio 21.5 is in prototype phase.

*Attention: Stall operation is not recommended, please do necessary protection to avoid irreparable damage!