

1

2

3

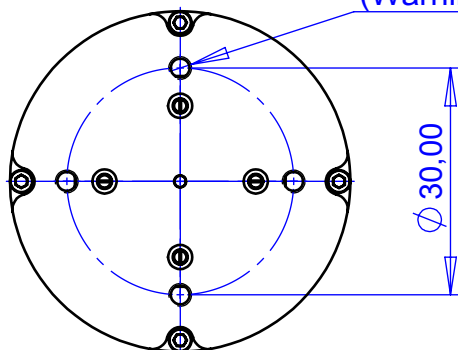
4

A

A

4 x M3,00

(Warning: Fixing screw lengths have to be less than 4mm)

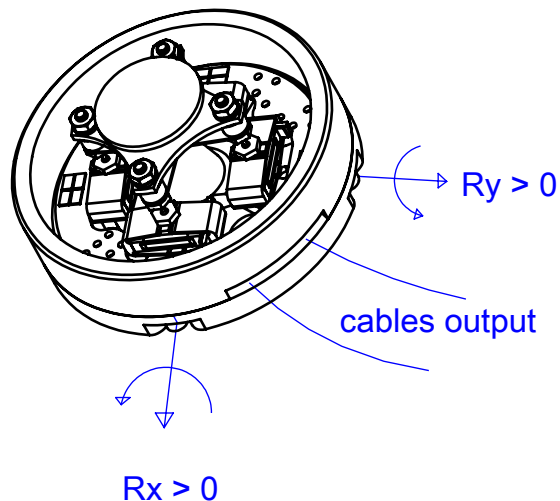
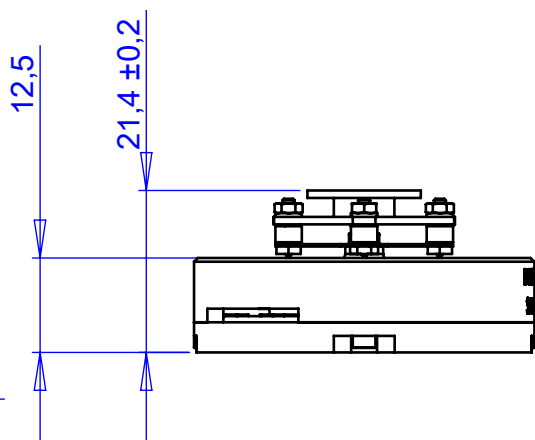


B

B

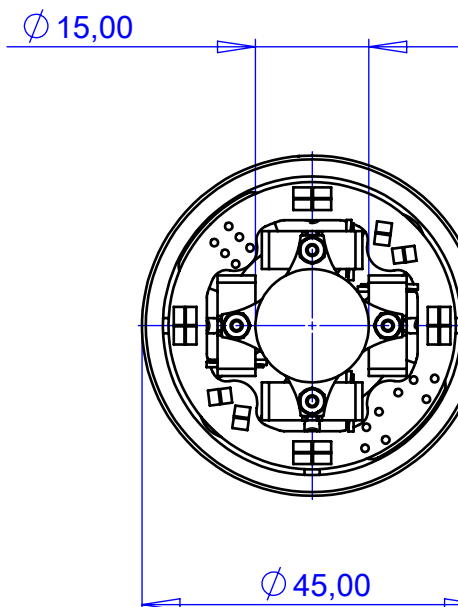
C

C



D

D





E

E

Note:Mirror ϕ up to 15mm**Mechanical Interfaces:**4 x M3 on ϕ 30mm

Warning: Screw lengths have to be < 4mm

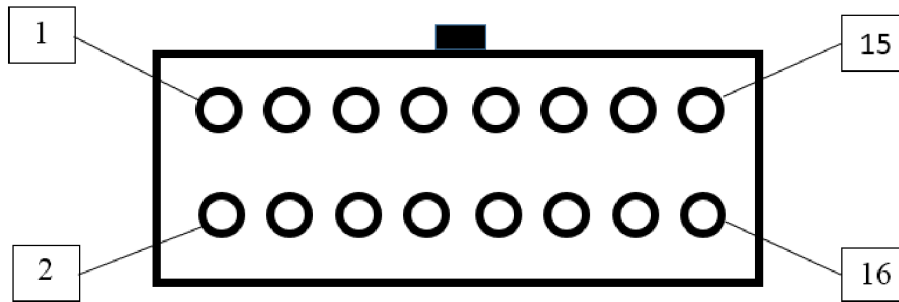
MECHANICAL INTERFACE

Matière / Material		Norme Matière / Material Standard:		Autre norme / Additional Standard	
Ref Traitement / Treatment ref.		-		-	
Ref. Traitement Surface / Surface Treatment ref.				Nom de projet / Project Name DTT35XS_SM_Small_Mirror	
Dessine par / Drawn by aguignabert				Designation / Title ICD_DTT35XS_SM_Small_Mirror	
Vérifié par / Checked by apieton		Obsolescence / Life Cycle R&D	Date 18/06/2019	 CEDRAT TECHNOLOGIES Innovation in Mechatronics 59 chemin du vieux Chêne, 38246 Meylan TEL : 04 56 58 04 00	CONFIDENTIEL INDUSTRIE Ce document est la propriété de CEDRAT TECHNOLOGIES. Ne peut être communiqué sans autorisation écrite.
Validé par / Approved by aguignabert		Masse / Mass 65 g			
				Page 1/2	

1

Pin Out table for SUB-D option

PIN NUMBER	SIGNAL	DESCRIPTION
1	VREF	Internal reference signal output (+5V)
2	AGND	Analog ground return for the mechanism
3	SG X+	SG+ output for X axis
4	SG X-	SG- output for X axis
5	SG Y+	SG+ output for Y axis
6	SG Y-	SG- output for Y axis
7	-	
8	-	
9	PGND	Power ground return for the mechanism
10	PGND	Power ground return for the mechanism
11	PGND	Power ground return for the mechanism
12	PGND	Power ground return for the mechanism
13	+130	+130V push-pull rail input for the piezo-actuators
14	PGND	Power ground return for the mechanism
15	VX	Input voltage for the Rx axis piezo-actuators of the mechanism
16	VY	Input voltage for the Ry axis piezo-actuators of the mechanism





Connector reference: HARWIN M80-4801642 16 pins

Electrical Interfaces (LEMO option):

- Piezo actuators: Wire length 1.5m
 Lémó FGG.00.303.CLAD22
 Cable X to actuate around Ox Axis
 Cable Y to actuate around Oy Axis

- SG Option: Wire length 1.5m
 Lémó FGG.00.304.CLAD22

ELECTRICAL INTERFACE

Matière / Material		Norme Matière / Material Standard:		Autre norme / Additional Standard	
		-		-	
Ref Traitement / Treatment ref.		Tolérances générales selon ISO2768-FH General tolerances according to ISO2768-FH		Nom de projet / Project Name	
Ref. Traitement Surface / Surface Treatment ref.		Ra = 1.6 max Ebavurage/Deburring : chamf. 45° 0.1 to 0.2 Rayon Raccord./Radius Curvature : 0.1 to 0.4 Battement/Run Out : 0.1mm Symétrie/Symmetry:0.5mm		DTT35XS_SM_Small_Mirror	
Dessiné par / Drawn by		agui gnabert		Désignation / Title	
Vérifié par / Checked by		apieton		ICD_DTT35XS_SM_Small_Mirror	
Validé par / Approved by		agui gnabert		 CONFIDENTIEL INDUSTRIE Ce document est la propriété de CEDRAT TECHNOLOGIES. Ne peut être communiqué sans autorisation écrite.	
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				Echelle/Scale	
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