

Scale 1:1

Reference:

Performance requirements at dry as molded:

1. Fir tree push in force: 45 newtons (10 lbs) max in each applicable oval hole size and a plate thickness of 1.8mm.
2. Fir tree pull out force: 110 newtons (25 lbs) min in each applicable oval hole size and a plate thickness of 1.8mm.
3. Designed to meet push on/pull off forces of SAE/USCAR-2.

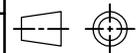
Notes:

1. Material: see table;
2. Material color: see table;
3. Sheet metal thickness range: 0.60mm - 6.00mm;
4. Applicable oval hole sizes:
 - A: 6.2×12.2±0.2
 - B: 6.5×12.5+0.2/-0.4
 - C: 6.5×13±0.2
 - D: 7×12±0.2
5. Fits into USCAR clip slot specification EWCAP-005-7.

Product type/产品名称	Material/材料	Color/颜色
CCOVAL2 ①	PA66 HIRHS	BLACK
CCOVAL2	PA46 ②	GREY

Revision Level		
Drawing	State	Part
02.1	Design Release	
Changed	Date (YYYY/MM/DD)	
Tackey.Tang	2024/12/10	
Approved	Date (YYYY/MM/DD)	
Robert.Zhu	2024/12/10	

Revision Record	
Add material: PA46.	



ALL drawing revisions are stored in CAD PDM database

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Drawn	Date (YYYY/MM/DD)
Walt.Lv	2021/02/08
Approved	Date (YYYY/MM/DD)
Kevin.Tang	2021/02/08

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Drawn	Date (YYYY/MM/DD)	Title	Scale 2:1
Walt.Lv	2021/02/08		
Approved	Date (YYYY/MM/DD)	CCOVAL2 ①	Global Project Number 11-0737
Kevin.Tang	2021/02/08		
Drawing-No		11-0737-001-CSC	Format A4
			Sheet 1/1