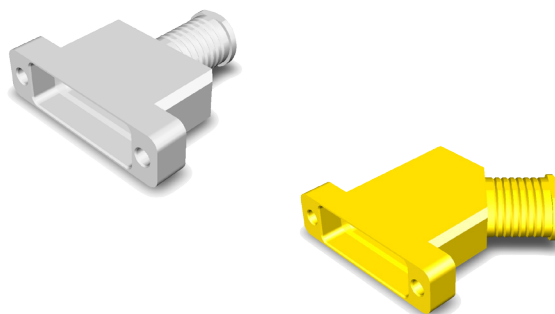


Features and Benefits

- Compliant with ESA specification 3401/087
- Ultra-light weight
- Solid fully machined aluminium alloy material

Typical Applications

- Space equipment
- Satellites harnesses



Specification

- High performance Micro-D Lightweight Backshell ESA qualified, for space applications.
- Compliant with ESCC specifications 3401/087 Lightweight Backshells for 3401/029 and 3401/077 Micro-D Connectors.
- Compatible with ESCC 3401/032 accessories.
- Suitable for use in Space, and high performance military/aerospace applications: Board to Cable or Cable to Cable applications.
- Sizes available: 9, 15, 21, 25, 31, 37 and 51 ways.
- Outlets:
 - Top circular
 - Top elliptical
 - 45° circular
 - 45° elliptical

Electrical & Mechanical Characteristics

CHARACTERISTIC	SPECIFICATION
Operating Temperature range	-55 / + 125°C
Storage temperature range	-55 / + 125°C

Quality

- ESA / ESCC: code 3401 (Flying model).
- Qualification reviewed every 2 years.

Option

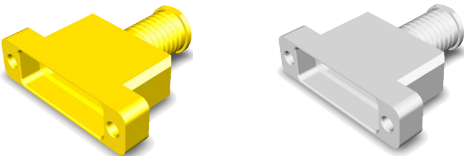
- Male screwlock with clip (be ordered separately).

Packaging

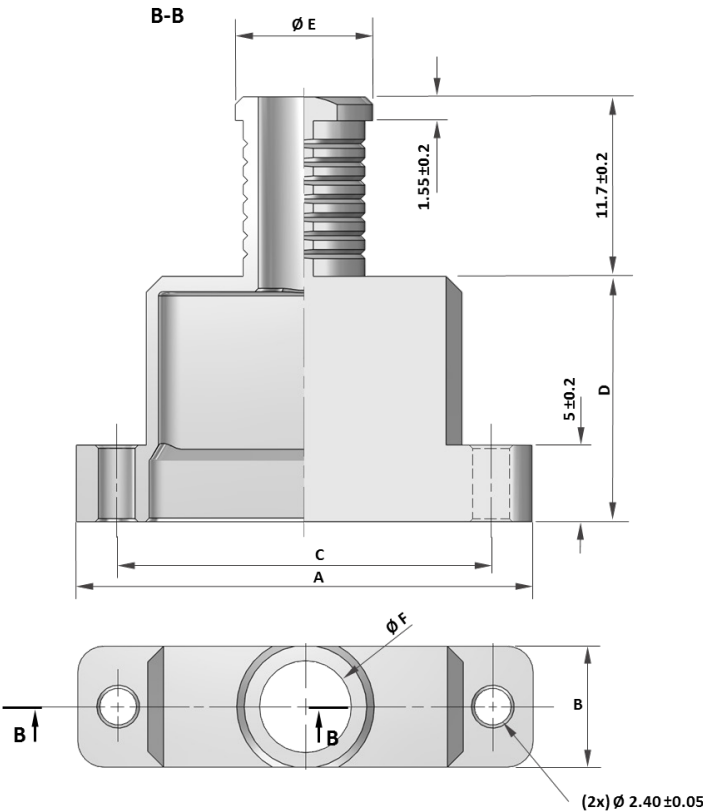
- Individual packaging.
- Traceability associated as per ESA/ESCC specifications.

COMPONENT	MATERIAL	FINISH
Backshell ESCC Variants 01 to 07, 15 to 21, 29 to 35, 43 to 49	Aluminium Alloy 6061-T6	25.4µm min. electroless Nickel
Backshell ESCC Variants 08 to 14, 22 to 28, 36 to 42, 50 to 56	Aluminium Alloy 6061-T6	0.7µm min. Gold over 25.4µm min. electroless Nickel
Male Screwlock	Passivated Stainless Steel	None
Clip	Passivated Stainless Steel	None

MDM LIGHTWEIGHT BACKSHELL TOP CIRCULAR ENTRY

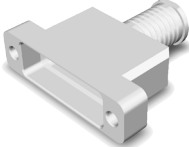
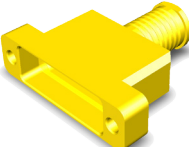


DIMENSIONS AND WEIGHT



SIZE	A ±0.2	B ±0.2	C ±0.1	D ±0.2	ØE ±0.2	ØF ±0.2	WEIGHT (GRAMS)
9	19.65	7.90	14.35	10.00	9.00	6.00	3
15	23.45	7.90	18.16	12.00	9.00	6.00	3
21	27.25	7.90	21.97	14.00	9.00	6.00	4
25	29.80	7.90	24.51	16.00	9.00	6.00	4
31	33.60	7.90	28.32	17.00	9.00	6.00	5
37	37.40	7.90	32.13	18.00	9.00	6.00	5
51	36.15	8.90	30.86	19.00	10.00	7.00	6

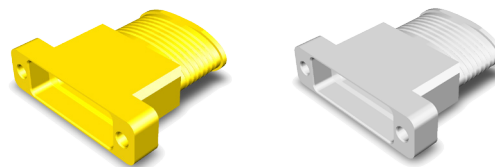
DESCRIPTION AND PART NUMBERS

SHELL FINISH	CONTACT SIZE	ESA/ESCC DESCRIPTION	C&K PN
 Electroless Nickel	9	340108701B	C115366-1032D
	15	340108702B	C115366-1033D
	21	340108703B	C115366-1034D
	25	340108704B	C115366-1035D
	31	340108705B	C115366-1036D
	37	340108706B	C115366-1037D
	51	340108707B	C115366-1038D
 Gold	9	340108708B	C115366-1032C
	15	340108709B	C115366-1033C
	21	340108710B	C115366-1034C
	25	340108711B	C115366-1035C
	31	340108712B	C115366-1036C
	37	340108713B	C115366-1037C
	51	340108714B	C115366-1038C

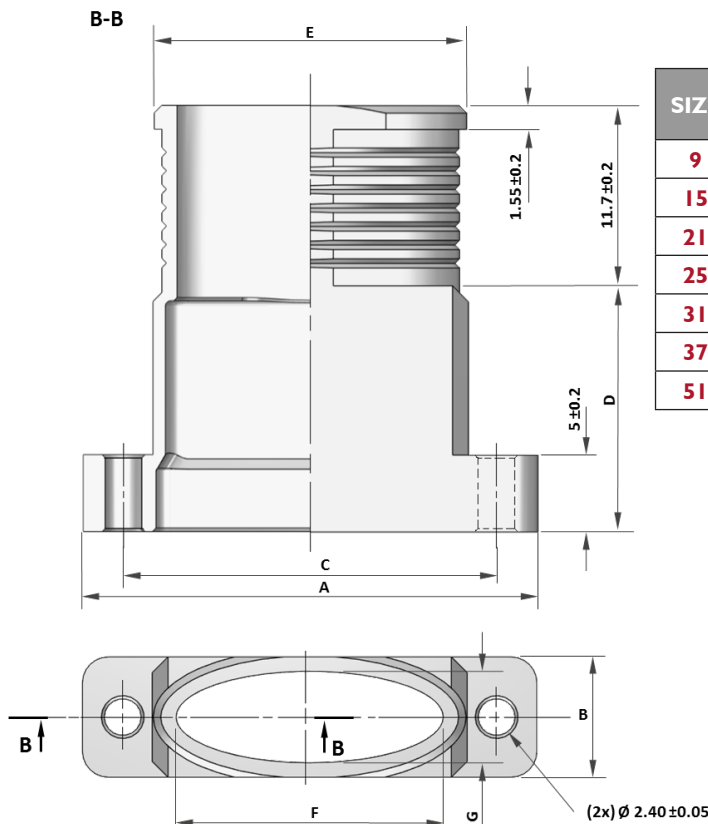


Dimensions shown in: mm
Specifications and dimensions subject to change

MDM LIGHTWEIGHT BACKSHELL TOP ELLIPTICAL ENTRY

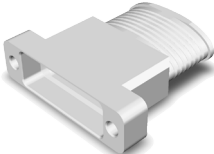
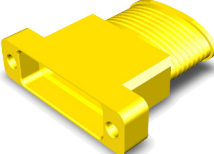


DIMENSIONS AND WEIGHT



SIZE	A ±0.2	B ±0.2	C ±0.1	D ±0.2	E ±0.2	F ±0.2	G ±0.2	WEIGHT (GRAMS)
9	19.65	7.90	14.35	10.00	10.90	7.90	6.00	3
15	23.45	7.90	18.16	12.00	13.70	10.70	6.00	4
21	27.25	7.90	21.97	14.00	18.00	15.00	6.00	4
25	29.80	7.90	24.51	16.00	20.50	17.50	6.00	4
31	33.60	7.90	28.32	17.00	23.80	20.80	6.00	5
37	37.40	7.90	32.13	18.00	27.60	24.60	6.00	6
51	36.15	8.90	30.86	19.00	26.40	23.40	7.00	6

DESCRIPTION AND PART NUMBERS

SHELL FINISH	CONTACT SIZE	ESA/ESCC DESCRIPTION	C&K PN
 Electroless Nickel	9	340108715B	C115366-1039D
	15	340108716B	C115366-1040D
	21	340108717B	C115366-1041D
	25	340108718B	C115366-1042D
	31	340108719B	C115366-1043D
	37	340108720B	C115366-1044D
	51	340108721B	C115366-1045D
 Gold	9	340108722B	C115366-1039C
	15	340108723B	C115366-1040C
	21	340108724B	C115366-1041C
	25	340108725B	C115366-1042C
	31	340108726B	C115366-1043C
	37	340108727B	C115366-1044C
	51	340108728B	C115366-1045C

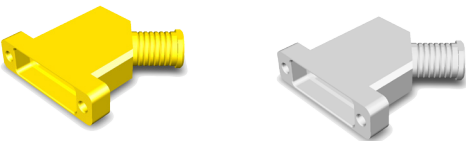


Dimensions shown in: mm
Specifications and dimensions subject to change

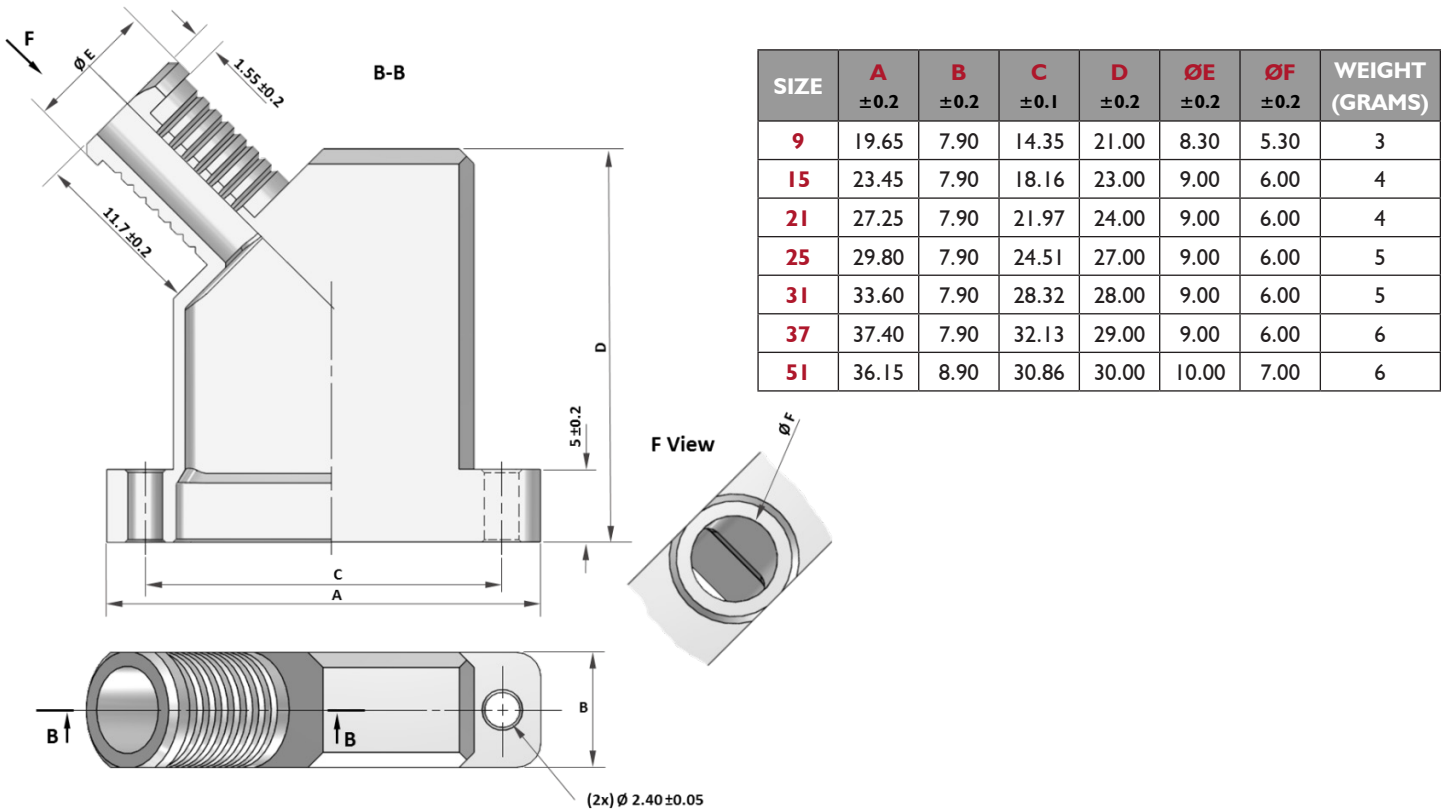
MDM LIGHTWEIGHT BACKSHELL

45° CIRCULAR ENTRY

(Our design accepts right or left mounting)



DIMENSIONS AND WEIGHT



DESCRIPTION AND PART NUMBERS

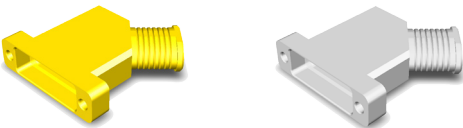
SHELL FINISH	CONTACT SIZE	ESA/ESCC DESCRIPTION	C&K PN
Electroless Nickel	9	340108729B	C115366-1046D
	15	340108730B	C115366-1047D
	21	340108731B	C115366-1048D
	25	340108732B	C115366-1049D
	31	340108733B	C115366-1050D
	37	340108734B	C115366-1051D
	51	340108735B	C115366-1052D
Gold	9	340108736B	C115366-1046C
	15	340108737B	C115366-1047C
	21	340108738B	C115366-1048C
	25	340108739B	C115366-1049C
	31	340108740B	C115366-1050C
	37	340108741B	C115366-1051C
	51	340108742B	C115366-1052C



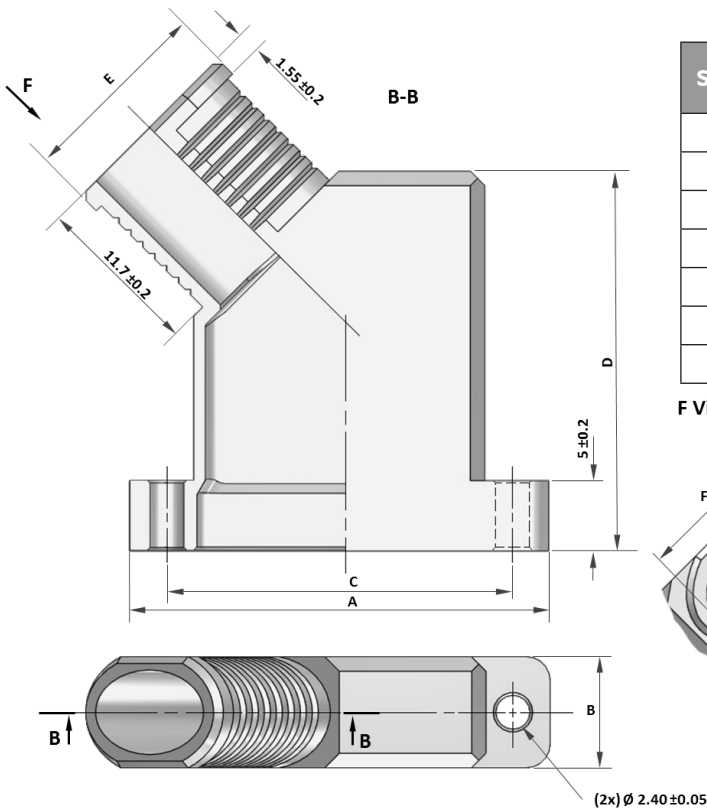
Dimensions shown in: mm

Specifications and dimensions subject to change

MDM LIGHTWEIGHT BACKSHELL
45° ELLIPTICAL ENTRY
(Our design accepts right or left mounting)

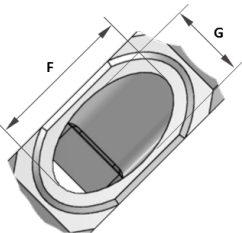


DIMENSIONS AND WEIGHT

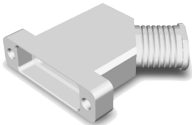
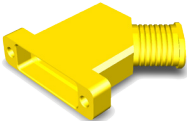


SIZE	A ±0.2	B ±0.2	C ±0.1	D ±0.2	E ±0.2	F ±0.2	G ±0.2	WEIGHT (GRAMS)
9	19.65	7.90	14.35	21.00	8.00	5.00	6.00	3
15	23.45	7.90	18.16	23.00	10.50	7.50	6.00	4
21	27.25	7.90	21.97	24.00	12.50	9.50	6.00	5
25	29.80	7.90	24.51	27.00	13.80	10.80	6.00	5
31	33.60	7.90	28.32	28.00	15.50	12.50	6.00	6
37	37.40	7.90	32.13	29.00	18.00	15.00	6.00	6
51	36.15	8.90	30.86	30.00	20.00	17.00	7.00	7

F View



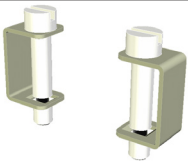
DESCRIPTION AND PART NUMBERS

SHELL FINISH	CONTACT SIZE	ESA/ESCC DESCRIPTION	C&K PN
 Electroless Nickel	9	340108743B	CI15366-I053D
	15	340108744B	CI15366-I054D
	21	340108745B	CI15366-I055D
	25	340108746B	CI15366-I056D
	31	340108747B	CI15366-I057D
	37	340108748B	CI15366-I058D
	51	340108749B	CI15366-I059D
 Gold	9	340108750B	CI15366-I053C
	15	340108751B	CI15366-I054C
	21	340108752B	CI15366-I055C
	25	340108753B	CI15366-I056C
	31	340108754B	CI15366-I057C
	37	340108755B	CI15366-I058C
	51	340108756B	CI15366-I059C



Dimensions shown in: mm
 Specifications and dimensions subject to change

ACCESSORIES

MALE SCREWLOCK	ESA/ESCC DESCRIPTION	C&K P/N
	340103218B	C115366-1060C

AMERICAS

Tel: +1.617.969.3700

ASIA

Tel: +852.3713.5288

EUROPE

Tel: +33.1.60.24.51.51



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Aerospace:

[340108710B](#) [340108712B](#) [340108708B](#) [340108709B](#) [340108713B](#) [340108711B](#) [340108714B](#) [MDM-BCKS 9-01-FR172-FR022](#) [C115366-1032D](#) [C115366-1033D](#) [C115366-1034D](#) [C115366-1035D](#) [C115366-1036D](#) [C115366-1037D](#) [MDM-BCKS 15-01-A174-FR022](#) [MDM-BCKS 15-02-A174-FR022](#) [MDM-BCKS 15-04-A174-FR022](#) [MDM-BCKS 21-02-A174-FR022](#) [MDM-BCKS 25-01-A174-FR022](#) [MDM-BCKS 25-02-A174-FR022](#) [MDM-BCKS 31-01-A174-FR022](#) [MDM-BCKS 31-02-A174-FR022](#) [MDM-BCKS 37-01-A174-FR022](#) [MDM-BCKS 37-02-A174-FR022](#) [MDM-BCKS 51-02-A174-FR022](#) [MDM-BCKS 9-02-A174-FR022](#) [MDM-BCKS-21-01-A174-FR022](#) [MDM-BCKS-9-01-A174-FR022](#)