SOURIAU

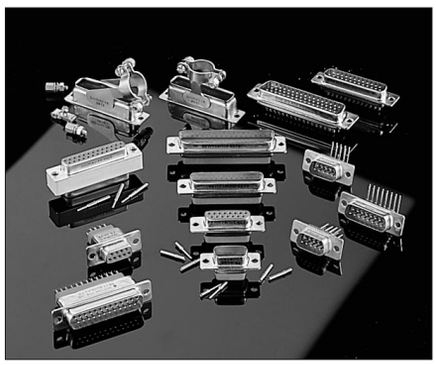
D-Sub
ESA/SCC 3401 002

Applications

Satellite
Launcher
Space station
Shuttle hardware

Standards

ESA/SCC 3401 - 002



D-Sub with crimp contcts

ESA/SCC 3401 002 non magnetic connectors are used with ESA/SCC 3401 005 removable crimp contacts.
Standard density (# 20 contacts) and high density (# 22 contacts) layouts are suitable for Flying Models

SCC specification number	3401 002	02	B	D	B	MA	Y	44	P	NMB	FO

Variants
01 : standard layout
02 : high density

B testing level: not to be modified

D * MA Series

Shell size
01 : **E** = 9 cts; **A** = 15 cts; **B** = 25 cts; **C** = 37 cts; **D** = 50 cts
02 : **E** = 15 cts; **A** = 26 cts; **B** = 44 cts; **C** = 62 cts; **D** = 78 cts

Without indication : fixed mounting
Y : float mounting

Contact layouts (see Common table with SCC 3401020 page 366)
01 : **09 - 15 - 25 - 37 - 50**
02 : **15 - 26 - 44 - 62 - 78**

Contact type
P = pin
S = socket

Residual magnetism level
NMB : ≤ 200 gammas
NMC : ≤ 20 gammas

Without indication : connector delivered :
with # 20-24 contacts : variant 01
with # 22-28 contacts : variant 02
FO : connectors ordered separately from the contacts
(FO is not marked on the connector)

Datasheet.Live

8630 - NMB non -magnetic connectors use the same components as the ESA/SCC 3401 002 connectors they are based on.
They are used for applications demanding high quality level, without the lot acceptance test or traceability.
They are used with removable crimp contacts.
This version is suitable for Engineering Models.

8630 Series # 20 contacts layouts 8635 Series # 22 contacts layouts Note : Float mounting : Replace 8630 by 8631 Insert «F» after 8635	8630	25	P	011	NMB	L

Contact layout
8630 : **09 - 15 - 25 - 37 - 50**
8635 : **15 - 26 - 44 - 62 - 78**

Contact type
P = pin
S = socket

Contact plating
- **011** : 1.27 micron min. gold (MIL-C-24308)
- **038** : 2.54 micron min. gold (ACC to ESA/SCC 3401 005)
Note : To be indicated if connectors are ordered with contacts
(no «L» at the end of the part number)
Indication not marked on the connectors

Residual magnetism level
NMB : ≤ 200 gammas
NMC : ≤ 20 gammas

Without indication : connectors are delivred :
8630 series : with contacts for wires AWG 20 - 24
8635 series : with contacts for wires AWG 22 - 26
- **L** : connectors ordered separately from the contacts
(«L» is not market on the connector)

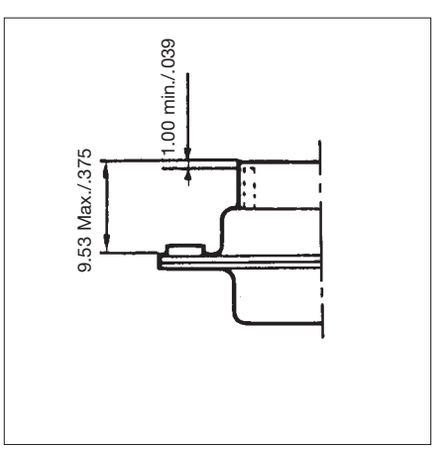
Crimp contacts

3401 005 : crimp contacts for 3401 002 connectors (Flying Models)
8949 Series : crimp contacts for 8630/8635 connectors (Engineering Models)

		Part numbers			
Contact size	**Designation**	**Type**	**ESA/SCC**	**NMB/011 (1.27 micron gold)**	**NMB/038 (2.54 micron gold) According to ESA/SCC**
# 20	Crimp, # 20/24	Pin	3401 005 01B	8949-1196-Y7	8949-1196-UE
		Socket	3401 005 02B	8949-1198	8949-407
# 20	Crimp, # 26/28	Pin	3401 005 03B	8949-1520-Y7	8949-1520-UE
		Socket	3401 005 04B	8949-1523	8949-1521
# 20	Crimp, # 18/20	Pin	3401 005 05B	8949-3227-Y7	8949-3227-UE
		Socket	3401 005 06B	8949-3352	8949-3229
# 22	Crimp, # 22/26	Pin	3401 005 07B	8949-1524-Y7	8949-1524-UE
		Socket	3401 005 08B	8949-1525	8949-1526

	# 20 contacts AWG 20/24 & 26/28	**# 20 contacts AWG 18/20**	**# 22 contacts AWG 22/26**
Crimp tool	M 22520/2-01	M 22520/1-01	M 22520/1-01
Locator	M 22520/2-08	TP 1003	Pin : M 22520/2-09 Socket : M 22520/2-06
Plastic extraction tool (delivery with contacts)	8630-06A		M 88 1969-14-01

Dimensions



Souriau contact are identified by. 3 engraved stripes