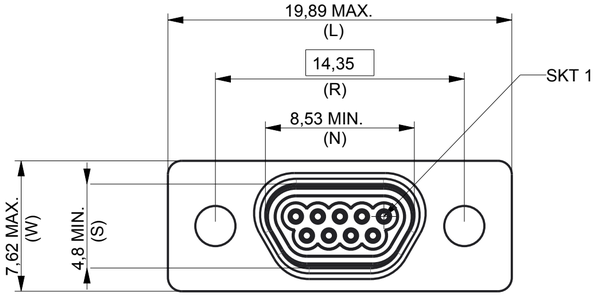
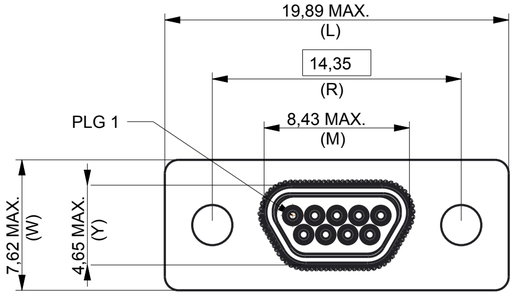
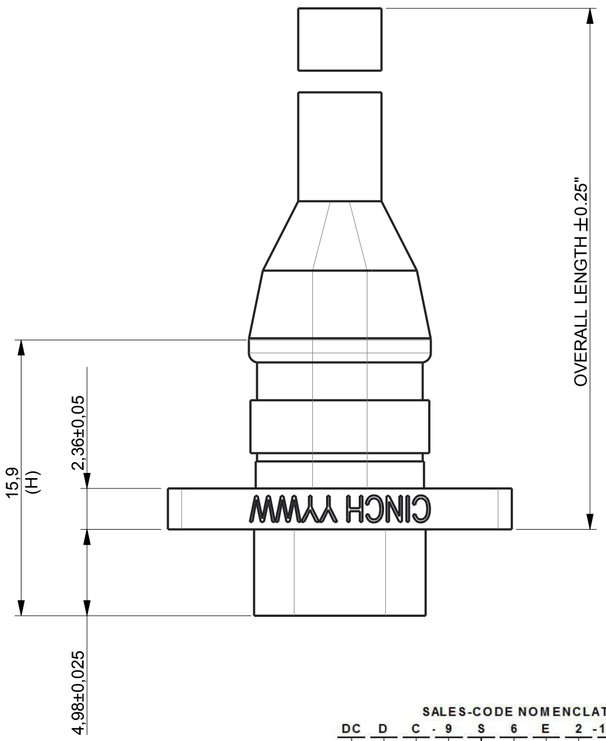
1202249100000R01_CUST	
RELEVANT SPEC:	SHT 1 OF 1
MIL-DTL-83513 INTERFACE	EX No.
PROE MODEL FILE	12/02-2491
12022491--SKTR01	IF IN DOUBT - ASK
	ALL DIMENSIONS ARE IN mm

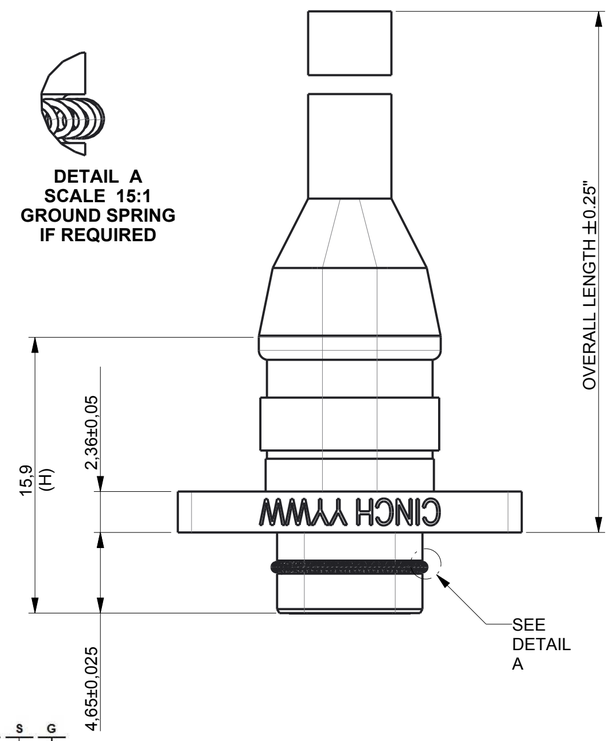
SOCKET CONNECTOR LAYOUT



PLUG CONNECTOR LAYOUT







PART NUMBER	L	M	N	R	S	W	Y
DCDC-9P	19,89	8,43		14,35		7,62	4,65
DCDC-15P	23,70	12,24		18,16		7,62	4,65
DCDC-21P	27,51	16,05		21,97		7,62	4,65
DCDC-25P	30,05	18,89		24,51		7,62	4,65
DCDC-31P	33,86	22,40		28,32		7,62	4,65
DCDC-37P	37,67	26,21		32,13		7,62	4,65
DCDC-51P	36,40	24,94		30,86		8,71	5,74
DCDC-100P	54,94	35,10		45,72		9,75	6,83
DCDC-9S	19,89		8,53	14,35	4,80	7,62	
DCDC-15S	23,70		12,34	18,16	4,80	7,62	
DCDC-21S	27,51		16,15	21,97	4,80	7,62	
DCDC-25S	30,05		18,69	24,51	4,80	7,62	
DCDC-31S	33,86		22,50	28,32	4,80	7,62	
DCDC-37S	37,67		26,31	32,13	4,80	7,62	
DCDC-51S	36,40		25,04	30,86	5,92	8,71	
DCDC-100S	54,94		35,20	45,72	7,04	9,75	

NOTES:

1. DIMENSIONS ARE FOR REFERENCE ONLY
2. CUSTOMER DRAWING ONLY. NOT USED FOR CINCH MANUFACTURE.
3. PART MARK CONNECTOR WITH CINCH AND DATE-CODE.

MATERIAL SPECIFICATIONS:

4. CONNECTOR SHELL: >ASTM ALLOY< SAE-AMS-QQ-A-250.
   CADMIUM PER SAE-AMS-QQ-P-416.
   ELECTROLESS Ni PER SAE-AMS-C-26074.
   GOLD PER MIL-G-45204.
5. CONTACT (MALE PINS): >Cu ALLOY<. Au PER MIL-DTL-45204, TYPE 1.
6. CONTACT (FEMALE SOCKETS): >Cu ALLOY<. Au PER MIL-DTL-45204, TYPE 1.
7. INSULATOR: >PBT< PER MIL-M-24519 OR >DAP< PER ASTM-D5948.
8. HARDWARE: >303SS< PASSIVATE DIP PER SAE-AMS-QQ-P-35.
9. INTERFACIAL GASKET: >FVMQ< PER MIL-R-25988 OR >PMQ< PER ZZ-R-765.
10. DUSTCAP: >LDPE< OR ANTI-STATIC >HDPE<.
11. WIRE: SEE SALES-CODE NOMENCLATURE.

PERFORMANCE SPECIFICATIONS:

MICRO-D CONNECTORS SHALL MEET GENERAL ENVIRONMENTAL/ELECTRICAL PERFORMANCE OF MIL-DTL-83513.

CURRENT RATING: 3 AMP MAX.
TEMPERATURE RATING: -55 °C TO +135 °C.
INSULATION RESISTANCE: 5000 MΩ MIN.
DWV AT SEA LEVEL: 600 VAC.
DWV 70,000 FT ALTITUDE: 150 VAC.
CONTACT RESISTANCE: 8 mΩ MAX.

GENERAL SPECIFICATIONS:

12. ALL OTHER DETAILS AND DIMENSIONS TO BE AS PER MIL-DTL-83513 OR CINCH DURA-CON CATALOGUE.

SALES-CODE NOMENCLATURE

DC D C - 9 S 6 E 2 -18.0 N N S G

BASIC PART NUMBER

INSULATOR TYPE
C - DIALLYL PHTHALATE (GLASS-REINFORCED)
D - THERMOPLASTIC (GLASS-REINFORCED)

MOUNTING TYPE
C - CABLE ASSEMBLY

SHELL SIZE
9, 15, 21, 25, 31, 37, 51, 100

GENDER
P - PLUG
S - SOCKET
GP - DOUBLE ENDED PLUG - PLUG
GS - DOUBLE ENDED SOCKET - SOCKET
PS - DOUBLE ENDED PLUG - SOCKET

WIRE SIZE (AWG)
4 - 24
6 - 26
8 - 28
0 - 30

WIRE TYPE
E - MIL-W-16878/4 7 STRAND (NEMA-HP3)
F - MIL-W-16878/6 7 STRAND (NEMA-HP3)
G - MIL-W-16878/4 19 STRAND (NEMA-HP3)
H - MIL-W-16878/6 19 STRAND (NEMA-HP3)
K - SAE-AS-22759/11
L - SAE-AS-22759/19

INSULATION COLOUR
1 - WHITE
2 - YELLOW
5 - COLOUR CODED PER MIL-STD-681 SYSTEM 1

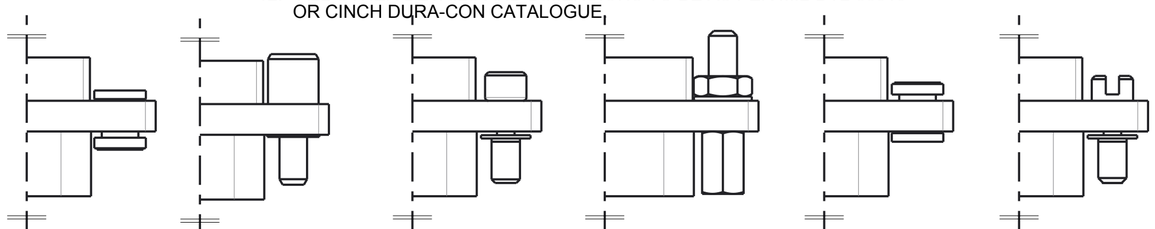
OVERALL LENGTH (INCHES)
18.0 - STRANDED WIRE
24.0 - STRANDED WIRE
36.0 - STRANDED WIRE
48.0 - STRANDED WIRE

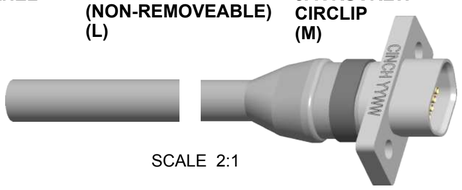
SHELL FINISH
NO DESIGNATION - CADMIUM
N - ELECTROLESS NICKEL
G - GOLD

TERMINATION
N - NO SHIELD / NO JACKET
A - BRAIDED SHIELD
C - BRAIDED SHIELD WITH EXPANDO-HR JACKET
D - NO SHIELD WITH EXPANDO-HR JACKET

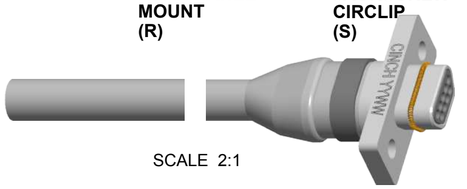
HARDWARE
B - NO HARDWARE
F - FLOAT MOUNT (FRONT PANEL MOUNT)
L - HEX HEAD JACKSCREW (NON-REMOVEABLE)
M - HEX HEAD JACKSCREW/CIRCLIP
P - JACKPOST
R - FLOAT MOUNT (REAR PANEL MOUNT)
S - JACKSCREW SLOT HEAD/CIRCLIP

GROUND SPRING OPTION
N - NO GROUND SPRING
G - GROUND SPRING (PLUG ONLY)





SCALE 2:1



SCALE 2:1

ISSUE GROUPS
A

Cinch CONNECTIVITY SOLUTIONS Ltd. Worksop, England.

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ISSUE	DATE	APPD
A	25-Feb-16	PRELIM.
B	15-Mar-17	SPOUT HT
C	04-Aug-17	100W DIMS

TITLE
MICROMINIATURE
9-51W SHIELDED CABLE ASSEMBLY
INTEGRAL SHIELD TERMINATION

DRN	M.BARRACLOUGH	DATE	25-Feb-16	SCALE	4:1
MATERIAL SPECIFICATION					
RAW MATL					
FINISHED HARDNESS				FINISH TREATMENT	
ANGULAR	±1				
TOOL R MAX.	0.18				

GEN. TOLERANCES	
2 DEC. PL.	±0.1
1 DEC. PL.	±0.2
0 DEC. PL.	±0.5

CHD NOT APPD NOT

COLOUR