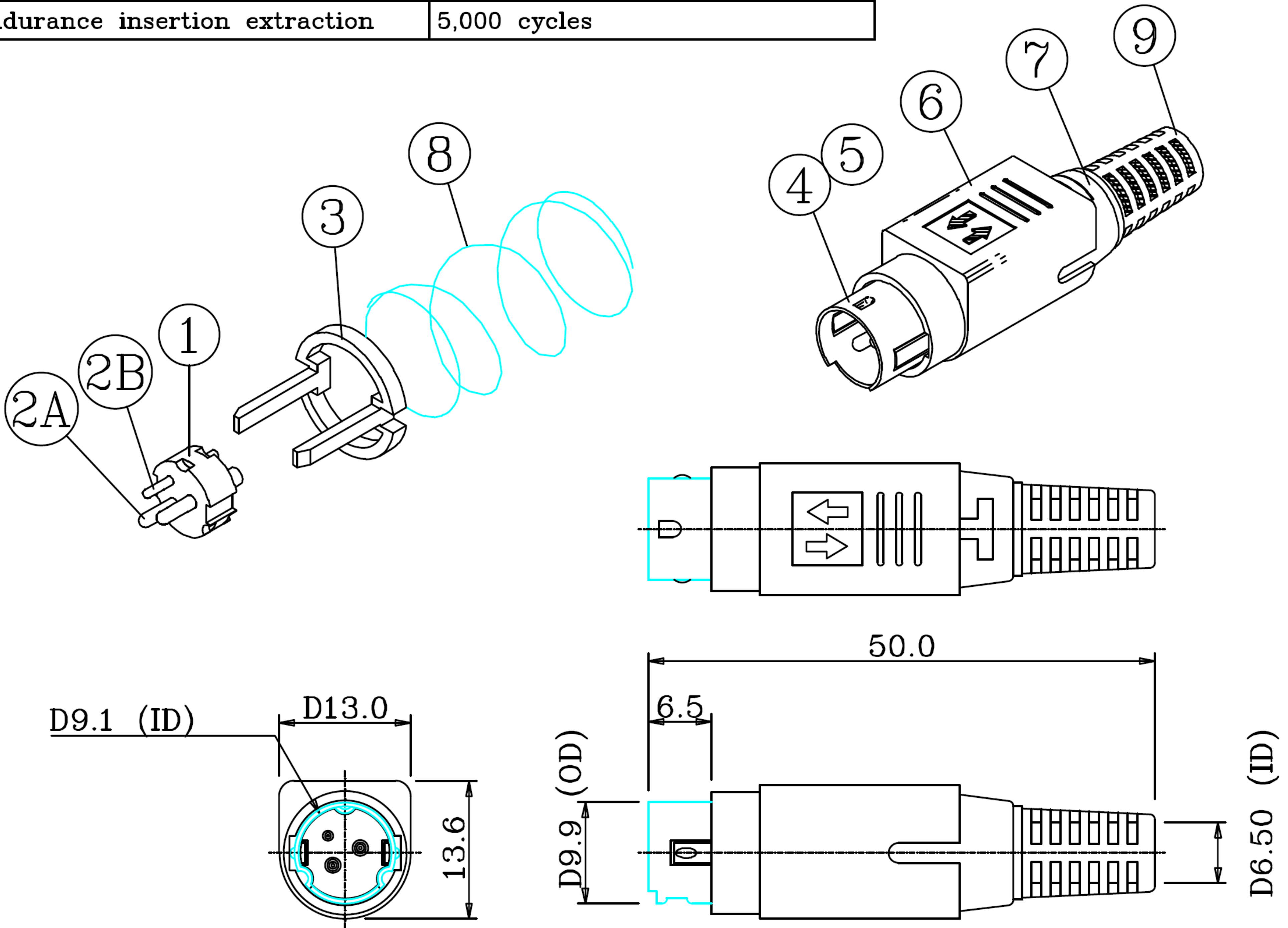


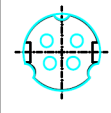


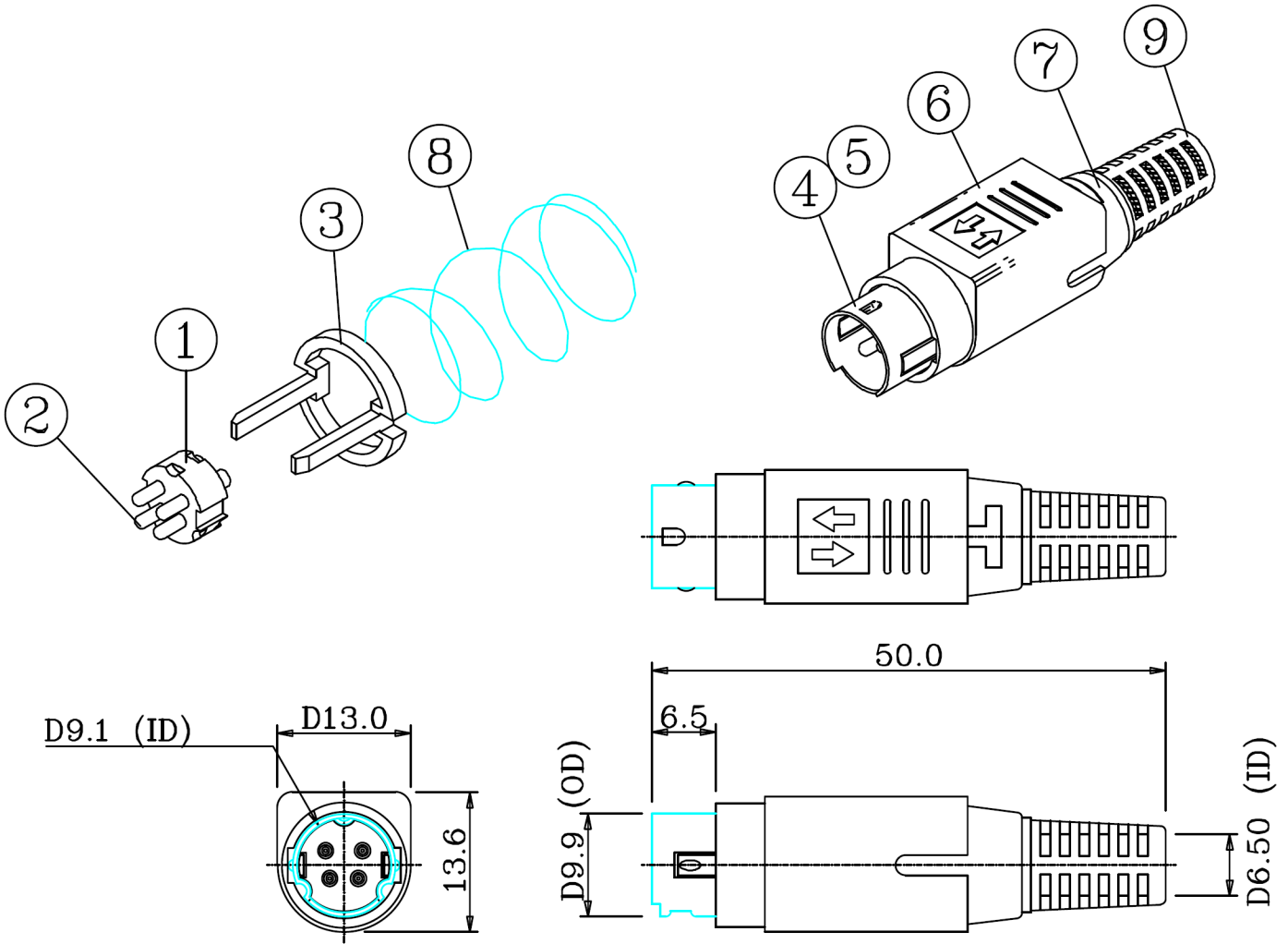
SPECIFICATIONS		ARRANGEMENT OF CONTACTS		
Current Carrying Capacity	Pin No. A&B: 20VDC 7.5A MAX. Pin No. C: 20VDC 1A MAX.	3P	4P	Page 1 of 2
Contact resistance	Pin No. A&B: 30mΩMax. Pin No. C: 50mΩMax.			
Insulation resistance	DC 250V 50M ΩMin.			
Voltage Withstanding	AC 250V 1 Minute			
Insertion force	5Kg Max.			
Withdrawal force	1 ~ 5Kg			
Endurance insertion extraction	5,000 cycles			



9	PLASTIC TRAIL	1	PVC		
8	SPRING	1	SWP-B (0.6D)	STAIN	
7	LATTER BODY	1	ABS [ 777D ]		94HB
6	MAIN BODY	1	ABS [ 777D ]		94HB
5	SIDE COVER	1	BSR-H (0.4t) [ C2680R ]	NICKEL	
4	MAIN COVER	1	BSR-H (0.4t) [ C2680R ]	NICKEL	
3	SLIDE RING	1	TEPCON [ M90 ]		
2B	CONTACT TERMINAL	1	BSR-H (1.0D) [ R-35 ]	SILVER PLATED	
2A	CONTACT TERMINAL	2	BSR-H (1.5D) [ R-35 ]	SILVER PLATED	
1	PLASTIC CORE	1	NYLON [ 101 ]		UL94V-2
P/N	PART NAME	Q'TY	MATERIAL	PLATING	REMARKS

DATE	980709	SCALE	4 : 3	UNIT	M/M	MODEL NO.	DP-002-R-KIT	3 P	PLUG
3PIN POWER CONNECTORS									
DESIGN	H. S. P.	DRAFTSMAN	C. C. U.	APPREVE	T. S. L.	Toby Electronics Ltd Beaumont Road, Banbury Oxon, OX16 1TU W: www.toby.co.uk E: sales@toby.co.uk T: +44 (0) 1295 271777			

SPECIFICATIONS		ARRANGEMENT OF CONTACTS		
Rating:	20V DC 7.5A Max.	<del>3P</del>	4P	
Insulation resistance	DC 250V 50M ΩMin.			
Voltage Withstanding	AC 250V 1 Minute			
Insertion force	5Kg Max.			
Withdrawal force	1 ~ 5Kg			
Endurance insertion extraction	5,000 cycles			

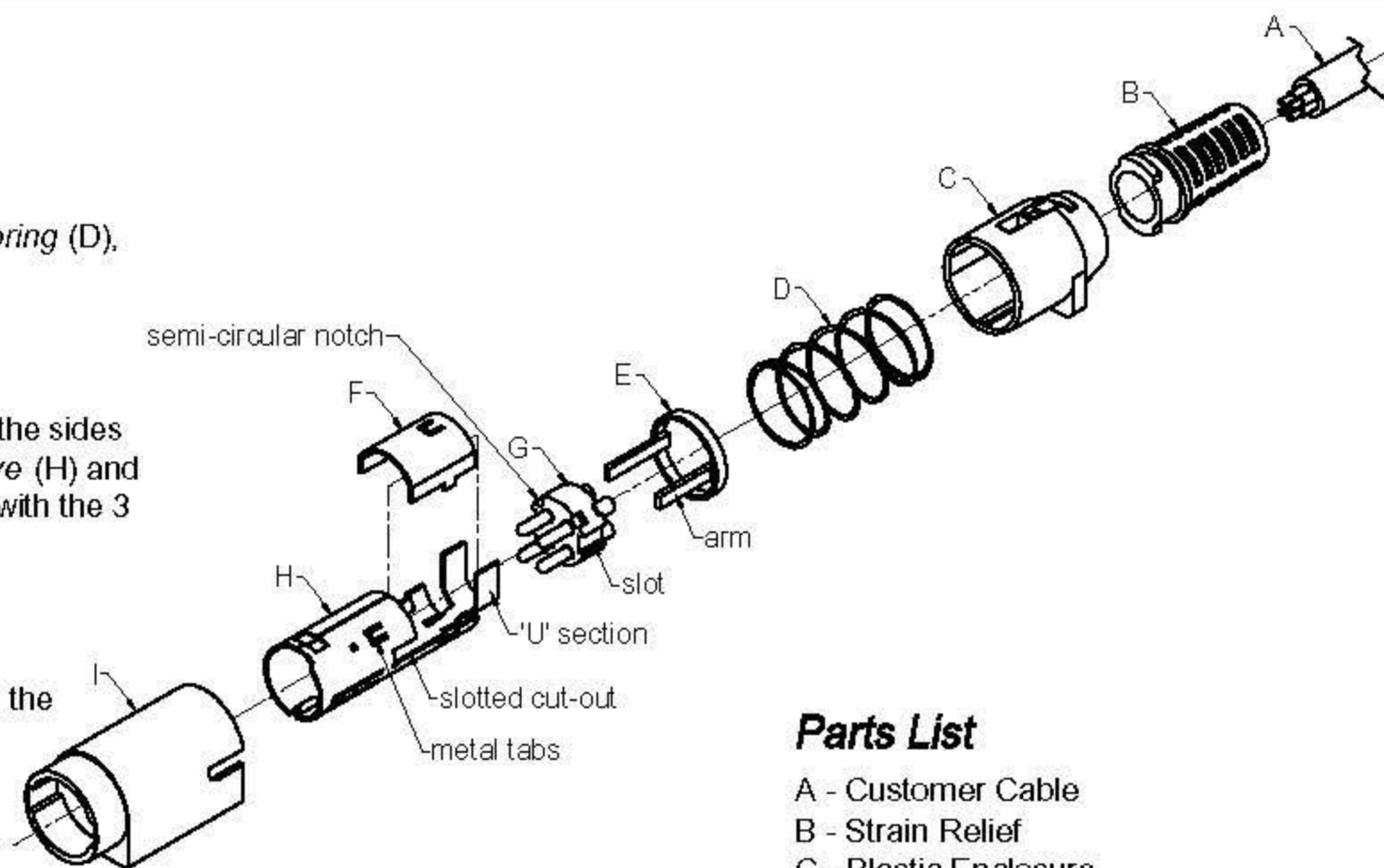


9	PLASTIC TRAIL	1	PVC		
8	SPRING	1	SWP-B (0.6D)	STAIN	
7	LATTER BODY	1	ABS [ 777D ]		94HB
6	MAIN BODY	1	ABS [ 777D ]		94HB
5	SIDE COVER	1	BSR-H (0.4t) [ C2680R ]	NICKEL	
4	MAIN COVER	1	BSR-H (0.4t) [ C2680R ]	NICKEL	
3	SLIDE RING	1	TEPCON [ M90 ]		
2	CONTACT TERMINAL	4	BSR-H (1.5D) [ R-35 ]	SILVER PLATED	
1	PLASTIC CORE	1	NYLON [ 101 ]		UL94V-2
P/N	PART NAME	Q'TY	MATERIAL	PLATING	REMARKS

DATE	980709	SCALE	4 : 3	UNIT	M/M	MODEL NO.	DP-003-R	4 P	PLUG
4PIN POWER CONNECTORS						Toby Electronics Oxon Beaumont Road OX16 1TU Banbury		T: +44 (0)1295 271777 F: +44 (0)1295 271744 E: sales@toby.co.uk	
DESIGN	H. S. P.	DRAFTSMAN	C. C. U.	APPROVE	T. S. L.				

## Assembly Instructions

- 1) Attach *Strain Relief (B)* to *Plastic Enclosure (C)*.
- 2) Pass *Cable (A)* through *Strain Relief (B)/Plastic Enclosure (C)* assembly, *Metal Spring (D)*, and *Plastic Guide Ring (E)*.
- 3) Solder cable wires to solder cups on *Pin Mold (G)*.
- 4) Properly align *Pin Mold (G)* with *Lower Metal Sleeve (H)*. The slotted sections on the sides of the *Pin Mold (G)* must line up with the slotted cut-outs on the *Lower Metal Sleeve (H)* and the 3 semi-circular notches around the perimeter of the *Pin Mold (G)* must line up with the 3 metal tabs inside the *Lower Metal Sleeve (H)*.
- 5) Push *Pin Mold (G)* forward into the *Lower Metal Sleeve (H)* until it locks into place.
- 6) Manually press the 3 metal tabs on the *Lower Metal Sleeve (H)* into the notches in the *Pin Mold (G)*.
- 7) Crimp 'U' section of *Lower Metal Sleeve (H)* onto *Cable (A)*.
- 8) Fit *Plastic Ring Guide (E)* into *Lower Metal Sleeve (H)* by placing plastic arms into the appropriate slots on the sides of the sleeve.
- 9) Attach *Top Metal Cover (F)* onto *Lower Metal Sleeve (H)*. Be sure to align all tabs and securely install cover.
- 10) Push *Metal Spring (D)* onto the *Top Metal Cover (F)/Lower Metal Sleeve (H)* assembly. This will help to hold the assembly together.
- 11) Push *Strain Relief (B)/Plastic Enclosure (C)* assembly onto the *Top Metal Cover (F)/Lower Metal Sleeve (H)* assembly. The two assemblies must be properly aligned as shown in the drawing. Be sure to check that the *Metal Spring (D)* remains in place and does not go underneath either the *Plastic Enclosure (C)* or the *Plastic Guide (E)* or twists during assembly. A significant amount of force may be necessary to lock the two assemblies together.
- 12) Check to make sure that the *Strain Relief (B)/Plastic Enclosure (C)* assembly is securely locked into place over the *Top Metal Cover (F)/Lower Metal Sleeve (H)* assembly. The two assemblies should not be able to be pulled apart.
- 13) Properly align the new assembly with the *Plastic Coupling (I)* as shown in the drawing. Push assembly into *Plastic Coupling (I)* until it locks properly into place. The entire plug assembly is now complete.



### Parts List

- A - Customer Cable
- B - Strain Relief
- C - Plastic Enclosure
- D - Metal Spring
- E - Plastic Guide
- F - Top Metal Cover
- G - Pin Mold
- H - Lower Metal Sleeve
- I - Plastic Coupling