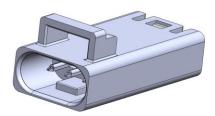
S6208C	Application Specification		ommercial dustrial
TITLE		ISSUED BY	REVISION
FLH Mini Series		Shan Mugan	1.0
Poke-in Connectors		APPROVED BY	DATE
2.5 mm Pitch		Mark Pahulje	February 11 th , 2022

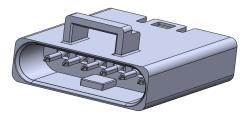
1. Overview

This Application Specification covers the application requirements for the FLH Poke-in connectors. The pin (receptacle) and socket (plug) connectors come fully assembled with the poke-in contacts installed.

Pin (Receptacle) Connectors

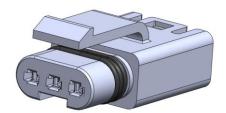


2 or 3-Postion Pin Connector



4 or 6-Postion Pin Connector

Socket (Plug) Connectors



2 or 3-Postion Socket Connector



4 or 6-Postion Socket Connector

Other configurations are available upon request.

2. Reference Documents

• S6205C – FLH Mini Sealed Poke-in Connectors Product Specification

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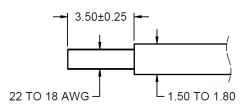
3. Wire Specification

3.1 Size and Style

- 22 to 18 AWG, solid or tin-dipped stranded
- Wire insulation outer diameter: ø1.50 to 1.80 mm

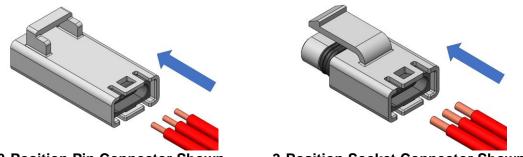
3.2 Strip Length

- Recommended wire strip length: 3.50±0.25 mm
- Do not damage or cut off wire strands



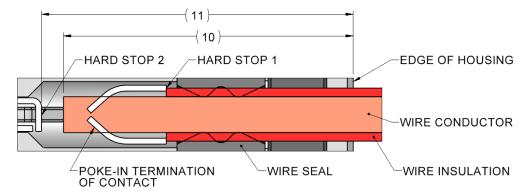
4. Wire Insertion

Push wire approximately 10 to 11 mm into housing, through wire seal and poke-in termination area of contact, until it engages with either one of the hard stops (dependent on wire insulation diameter) as shown below. Note that poke-in wire termination is identical for both pin and socket connectors.



3-Position Pin Connector Shown

3-Position Socket Connector Shown



Section View of Poke-in Termination

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5. Wire Retention in Poke-in Contact

Pull test to be done to meet the following pull test (solid and tin-dipped wires).

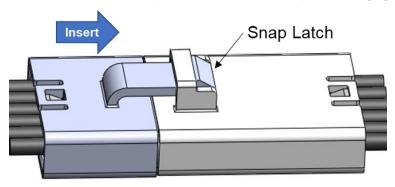
3

Wire size	Minimum Pull Out Force		
Wile Size	Pounds (lbs)	Newtons (N)	
18 AWG	4.50	20	
20 AWG	3.37	15	
22 AWG	2.70	12	

6. Mating and Un-mating (6-Position Pin and Socket Connectors Shown)

6.1 Mating

Push socket connector forward into pin connector until snap latch engages.

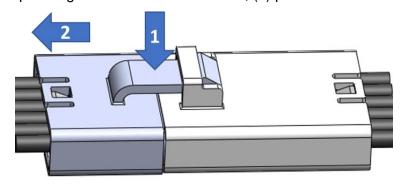


Socket Connector

Pin Connector

6.2 Un-mating

(1) While depressing latch on socket connector, (2) pull out.



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