REVISIONS				
REV	DESCRIPTION	DATE	GUARDIAN	APPROVED
C	ECN-C00679-1	OCT7/25	K. MORRISON	M. PAHULJE
D	ECN-C00743-1	NOV26/25	K. MORRISON	K. LAMBIE

ORDERING CODE: FLH - P X 4 - X X - X XX

SERIES
FLH = MINI 2.5 mm PITCH CONNECTORS

PRODUCT TYPE CODE
P = PIN CONTACT CONNECTOR

HOUSING SIZE
3 = 3 CONTACT POSITIONS
6 = 6 CONTACT POSITIONS

CONNECTOR STYLE CODE
4 = PANEL MOUNT, WIRE TO WIRE

IP RATING CODE
0 = IP67 IN MATED & UNMATED CONDITION
8 = IP67 IN MATED CONDITION ONLY (SEE NOTE 5)
9 = NO IP RATING

PANEL MOUNTING THREAD CODE
0 = #2-56
1 = M2×0.4

CONTACT STYLE CODE
C = CRIMP CONTACTS (CONTACTS SOLD SEPARATELY, SEE NOTE 6)
P = POKE-IN CONTACTS (CONTACTS INCLUDED ASSEMBLED)

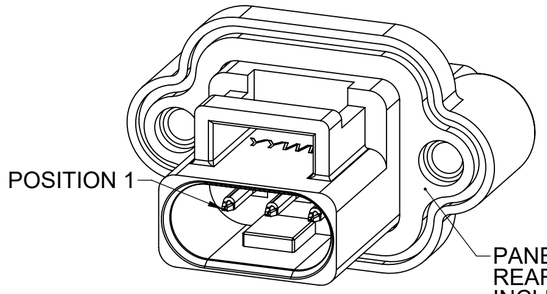
CONTACT POPULATION CODE
XX = SEE TABLE 1
- SELECT **00** IF IP RATING CODE IS 8 OR 9, AND CONTACT STYLE CODE IS C
- MUST BE ≥ **01** IF IP RATING CODE IS 0 OR CONTACT STYLE CODE IS P
- MUST BE ≤ **07** IF HOUSING SIZE IS 3

TABLE 1 – CONTACT POPULATION CODES (X INDICATES A POPULATED POSITION)

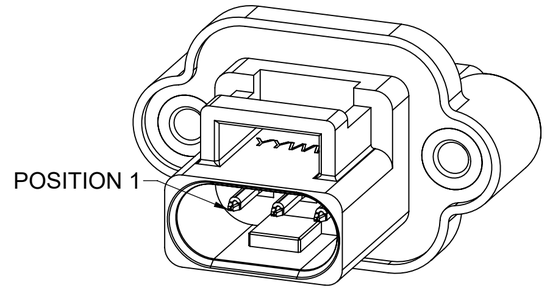
CONTACT POPULATION CODE	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
POSITION 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X
POSITION 2			X	X			X	X			X	X			X	X			X	X			X	X			X	X			X	X
POSITION 3					X	X	X	X					X	X	X	X					X	X	X	X					X	X	X	X
POSITION 4									X	X	X	X	X	X	X	X									X	X	X	X	X	X	X	X
POSITION 5																	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
POSITION 6																																

CONTACT POPULATION CODE	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
POSITION 1		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X
POSITION 2			X	X			X	X			X	X			X	X			X	X			X	X			X	X			X	X
POSITION 3					X	X	X	X					X	X	X	X					X	X	X	X					X	X	X	X
POSITION 4									X	X	X	X	X	X	X	X									X	X	X	X	X	X	X	X
POSITION 5																	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
POSITION 6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

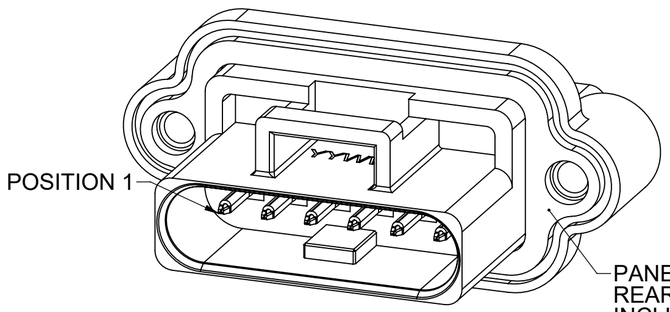
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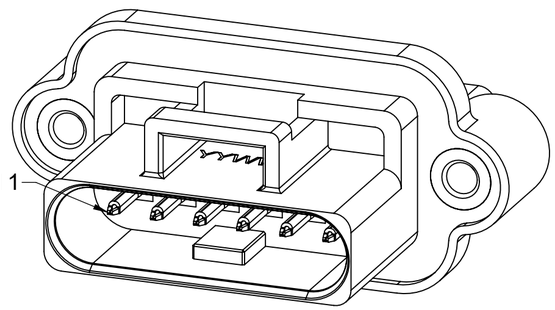
FLH-P34-0X-P07



FLH-P34-9X-P07



FLH-P64-0X-P63



FLH-P64-9X-P63

NOTES:

1. ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU & AMENDMENTS:
   - HOUSING: ENGINEERING THERMOPLASTIC, FLAMMABILITY RATING: UL 94 V-0, COLOUR: BLACK
   - CONTACTS: COPPER ALLOY PLATED WITH TIN OVER NICKEL
   - THREADED INSERTS: BRASS
   - GASKETS: SILICONE RUBBER, FLAMMABILITY RATING: UL 94 V-0, COLOUR: BLACK
2. ELECTRICAL CHARACTERISTICS:
   - CURRENT RATING: 7 A (18 AWG OR 1 mm²) OR 5 A (20 AWG OR 0.5 mm²) OR 3 A (22 AWG OR 0.34 mm²) PER CONTACT
   - VOLTAGE RATING: 250 VAC
   - DIELECTRIC WITHSTANDING VOLTAGE: 1500 VAC
   - INSULATION RESISTANCE: 1000 MΩ IF CONTACT STYLE CODE IS C, OR 500 MΩ IF CONTACT STYLE CODE IS P
   - OPERATING TEMPERATURE: -40 °C TO +105 °C
3. IP PROTECTION PER IEC 60529, SEE ORDERING CODE
4. WIRE REQUIREMENTS:
   - GAUGE: 18 AWG (1 mm²) TO 22 AWG (0.34 mm²)
   - INSULATION DIAMETER: 1.5 mm TO 1.8 mm
   - WIRE FORM: STRANDED IF CONTACT STYLE CODE IS C, OR TINNED/SOLID IF CONTACT STYLE CODE IS P
   - STRIP LENGTH: 3.10 ±0.10 mm IF CONTACT STYLE CODE IS C, OR 3.50 ±0.25 mm IF CONTACT STYLE CODE IS P
5. IP RATING CODE 8 INCLUDES THE PANEL GASKET BUT NOT THE REAR GASKET, AND IS ONLY IP67 RATED WHEN MATED WITH A SEALED FLH SOCKET CONTACT CONNECTOR. SEE PART NUMBERS FLH-SX1-00 AND FLH-SX3-00.
6. IF CONTACT STYLE CODE C IS SELECTED, THE CRIMP CONTACTS ARE TO BE PURCHASED SEPARATELY ON A REEL. THE CRIMP CONTACTS MUST BE CRIMPED TO WIRES BEFORE ASSEMBLING INTO THE HOUSING. SEE PART NUMBER FLH-PC136-XXX IF IP RATING CODE IS 0, OR FLH-PC136-1-XXX IF IP RATING CODE IS 8 OR 9.

UNLESS SPECIFIED OTHERWISE	DRAWN	K. MORRISON	MAR14/24
PRIMARY UNITS MILLIMETRES	CHECKED	Z. LJUBIJANKIC	MAR14/24
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APP'D	Z. LJUBIJANKIC	MAR14/24
1 DECIMAL PLACE	ENG NO.	EAR 15458	
2 DECIMAL PLACES ±0.10	RELEASE STATE	RELEASED	
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING
ANGULAR DEGREES			

Amphenol Canada Corp.
Commercial Products

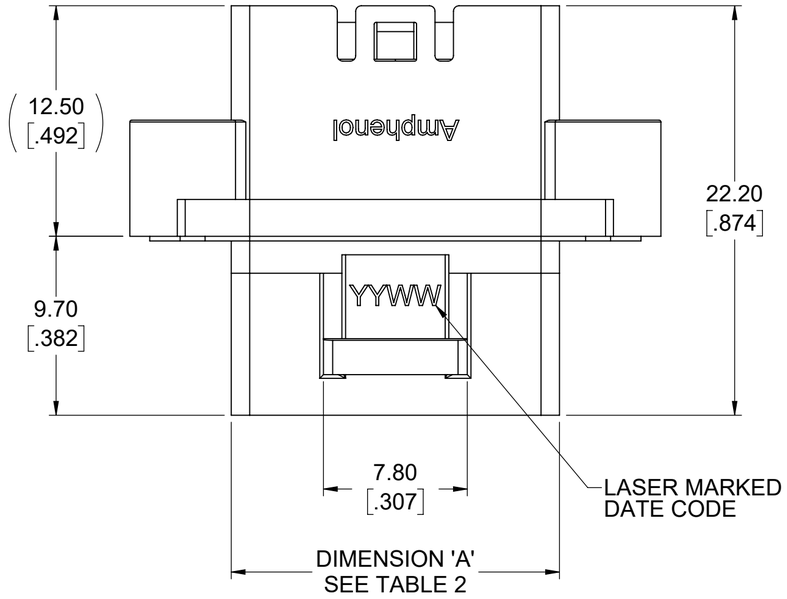
FLH SERIES,
PIN CONTACT CONNECTOR,
PANEL MOUNT, WIRE TO WIRE,
RoHS COMPLIANT

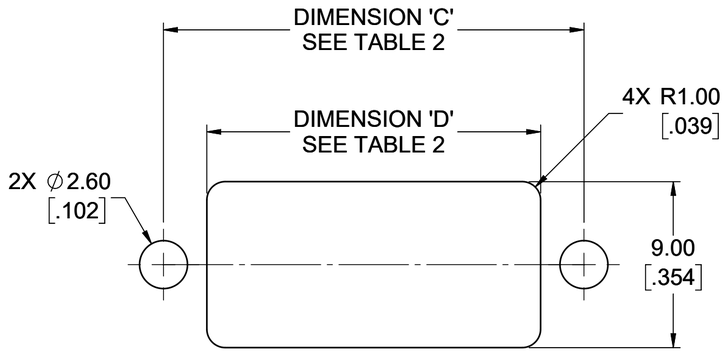
DWG. NO.	REV
P-FLH-PX4-XX-XXX	D

CODE ID NO.	DWG SIZE	SCALE	SHEET
03554	C	4:1	1 OF 2

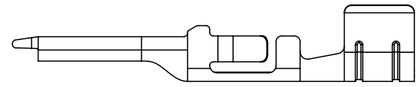
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REVISIONS				
REV	DESCRIPTION	DATE	GUARDIAN	APPROVED
C	ECN-C00679-1	OCT7/25	K. MORRISON	M. PAHULJE
D	ECN-C00743-1	NOV26/25	K. MORRISON	K. LAMBIE



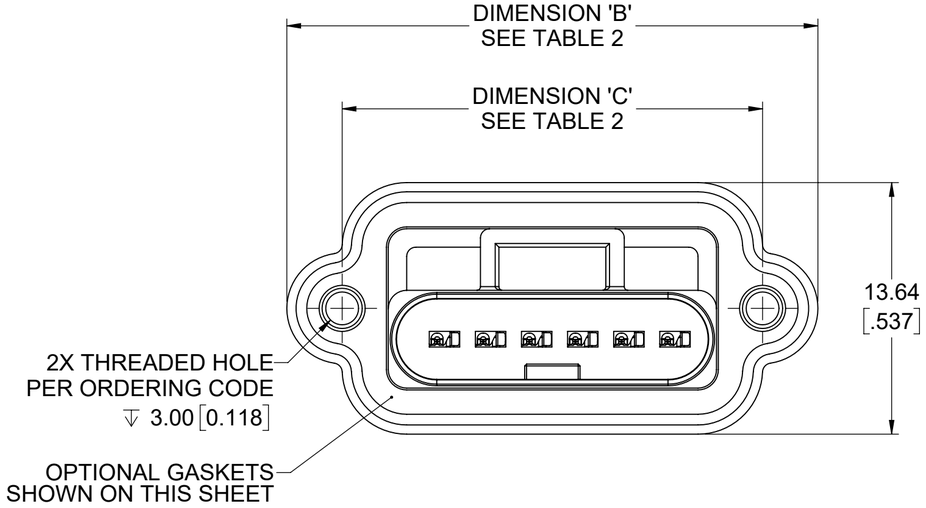


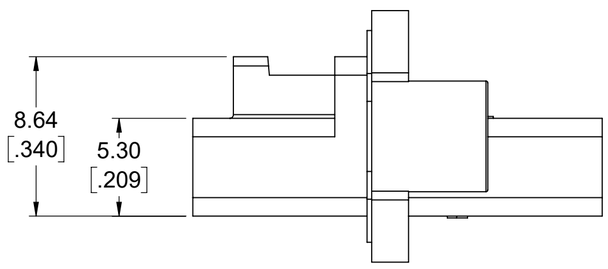
**RECOMMENDED PANEL CUTOUT,
MAXIMUM PANEL THICKNESS: 4 mm**

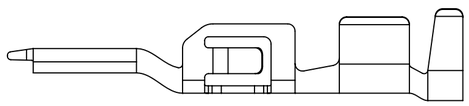


**CRIMP CONTACT FLH-PC136-XXX
SEE SHEET 1, NOTE 6**

SCALE 8 : 1







**CRIMP CONTACT FLH-PC136-1-XXX
SEE SHEET 1, NOTE 6**

SCALE 8 : 1

TABLE 2 – HOUSING SIZE DEPENDENT DIMENSIONS

PART NUMBER	DIMENSION 'A'	DIMENSION 'B'	DIMENSION 'C'	DIMENSION 'D'
FLH-P**3**4-XX-XXX	10.30 [.406]	21.30 [.839]	15.30 [.602]	10.60 [.417]
FLH-P**6**4-XX-XXX	17.80 [.701]	28.80 [1.134]	22.80 [.898]	18.10 [.713]

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PRIMARY UNITS MILLIMETRES	CHECKED	Z. LJUBIJANKIC	MAR14/24
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APP'D	Z. LJUBIJANKIC	MAR14/24
1 DECIMAL PLACE	ENG NO.	EAR 15458	
2 DECIMAL PLACES ±0.10	RELEASE STATE	RELEASED	
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING
ANGULAR DEGREES			

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FLH SERIES,
PIN CONTACT CONNECTOR,
PANEL MOUNT, WIRE TO WIRE,
RoHS COMPLIANT

DWG. NO.	REV
P-FLH-PX4-XX-XXX	D

CODE ID NO.	DWG SIZE:	SCALE:	SHEET
03554	C	4:1	2 OF 2

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