



LVRC

Low voltage rectangular connector

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LVRC



Low Voltage Rectangular Connectors light weight, multiple coding positions, 26 & 35 position low voltage available, also we provide 12 position high voltage connectors are designed to meet USCAR-2, USCAR-37 specifications. With a current carrying up to 13A, 250V and 12 position up to 800V, the LVRC connectors can be used in many hybrid and electric vehicle device applications.

Receptacle can be front or rear mounted.



KEY FEATURES

Easy to install, reliable connection

Multiple coding positions

Contacts can be remove and replace by tools

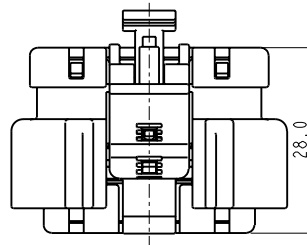
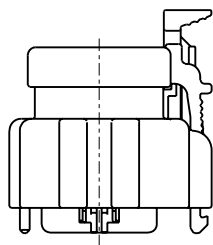
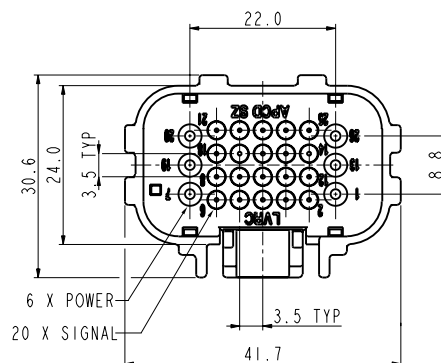
Sealing, IP67 mated

Economical

MECHANICAL	
Durability	100 mating cycles max
Wire range	Power: 18 to 14 AWG Wire insulation OD: 2.2 to 3.0 mm Signal: 22 to 18 AWG Wire insulation OD: 1.35 to 2.5 mm
Connection type	Crimping
ELECTRICAL	
Rated current	Power: 13A Signal: 5A
Rated voltage	250V AC / 300V DC
Insulator resistance	$\geq 100\text{m}\Omega$ (500V DC)
Temperature rise	$\leq 55\text{K}$
ENVIRONMENTAL	
Temperature range	-40°C to 125°C
Humidity	90% to 95%
Sealing	IP67 (mated)
Inflammability	UL94-V0
STANDARDS	
USCAR-2	
USCAR-37	
RoHS	
MATERIAL	
Housing	PA66
Contacts	Copper alloy, tin plating
Insert	Silicone

PLUG

26 PIN PLUG



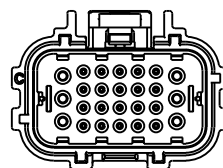
CONTACTS

All connectors do not include contacts. Please order them separately (ref: P/N below)

CONTACTS (Female contact)

POWER (Female contact)	SIGNAL (Female contact)	SEAL (POWER)	SEAL (SIGNAL)
P/N: LVRC16PC01S	P/N: LVRC20PC01S	P/N: LVRC16LP	P/N: LVRC20LP

INSERT ORIENTATIONS

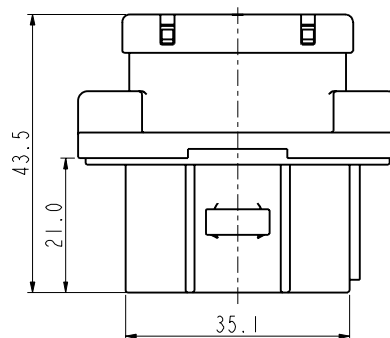
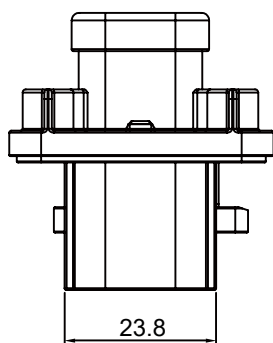
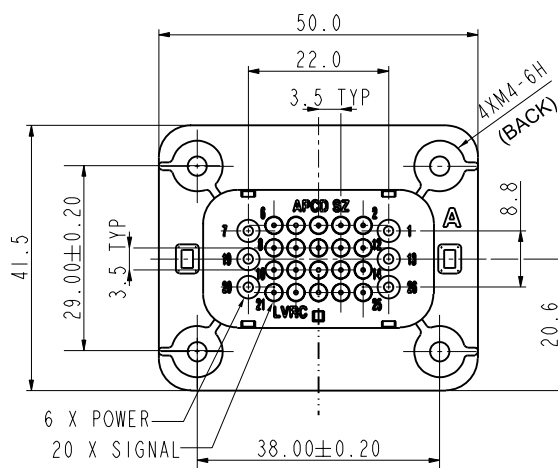


P/N

Coding A
LVRCF26PCA

Coding B
LVRCF26PCB

Coding C
LVRCF26PCC

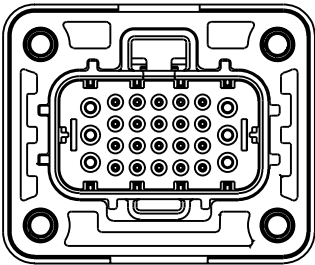
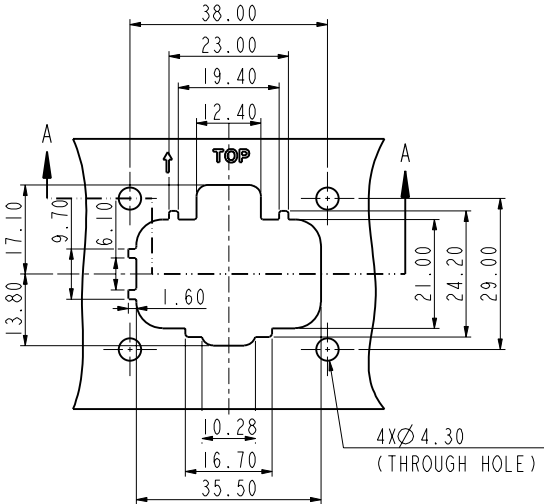
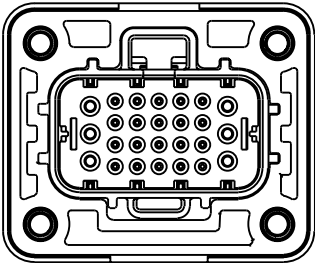
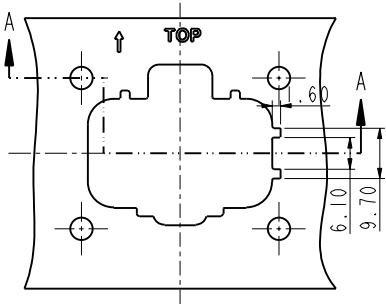
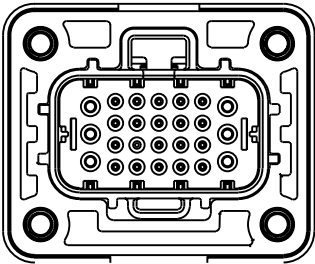
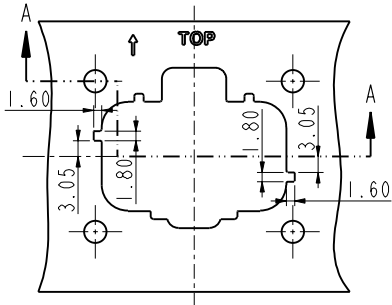


All connectors do not include contacts. Please order them separately (ref: P/N below)

CONTACTS (Male contact)

[illegible]

PANEL MOUNTING DIMENSION

PART NUMBER	INSERT ORIENTATIONS	PANEL MOUNTING DIMENSION
LVRCM26SCRA	 Coding A	
LVRCM26SCRB	 Coding B	
LVRCM26SCRC	 Coding C	

HOW TO ORDER

PLUG

	LVRC	F	26	P	C	A
Contact type: F: Female contact						
Number of contacts: 26						
Connector type: P: Plug						
Connection type: C: Crimping						
Coding / Alternate position: A: Coding A B: Coding B C: Coding C						

SOCKET

	LVRC	M	26	S	C	R	A
Contact type: M: Male contact							
Number of contacts: 26							
Connector type: S: Socket							
Connection type: C: Crimping							
Socket mounting type: R: Rear mounted							
Coding / Alternate position: A: Coding A B: Coding B C: Coding C							

LVRC 35 PIN



KEY FEATURES

Easy to install, reliable connection

Multiple coding positions

Receptacle available in front or rear mounted

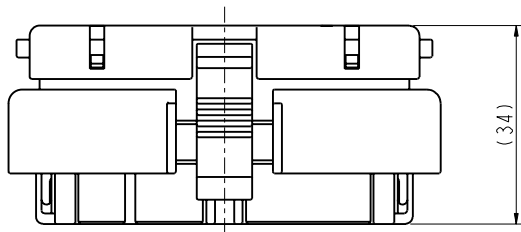
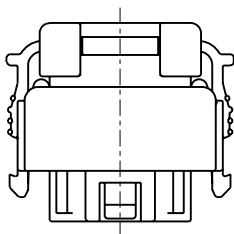
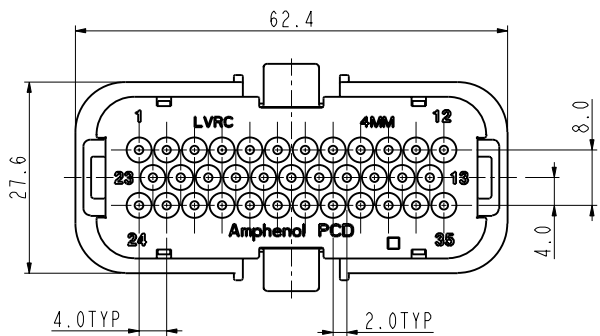
Contacts can be remove and replace by tools

Sealing, IP67 mated

Economical

MECHANICAL	
Durability	50 mating cycles max
Wire range	22 to 14 AWG Wire insulation OD: 1.7 to 2.7 mm
Connection type	Crimping
ELECTRICAL	
Rated current	8A (22 to 16 AWG) 13A (14 AWG, 6POS LOADED, MAX)
Rated voltage	250V AC
Insulator resistance	$\geq 100\text{m}\Omega$ (500V DC)
Temperature rise	$\leq 55\text{K}$
ENVIRONMENTAL	
Temperature range	-40°C to 125°C
Humidity	90% to 95%
Sealing	IP67 (mated)
Inflammability	UL94-V0
STANDARDS	
USCAR-2	
USCAR-37	
RoHS	
MATERIAL	
Housing	PA66
Contacts	Copper alloy, tin plating
Insert	Silicone

35 PIN PLUG

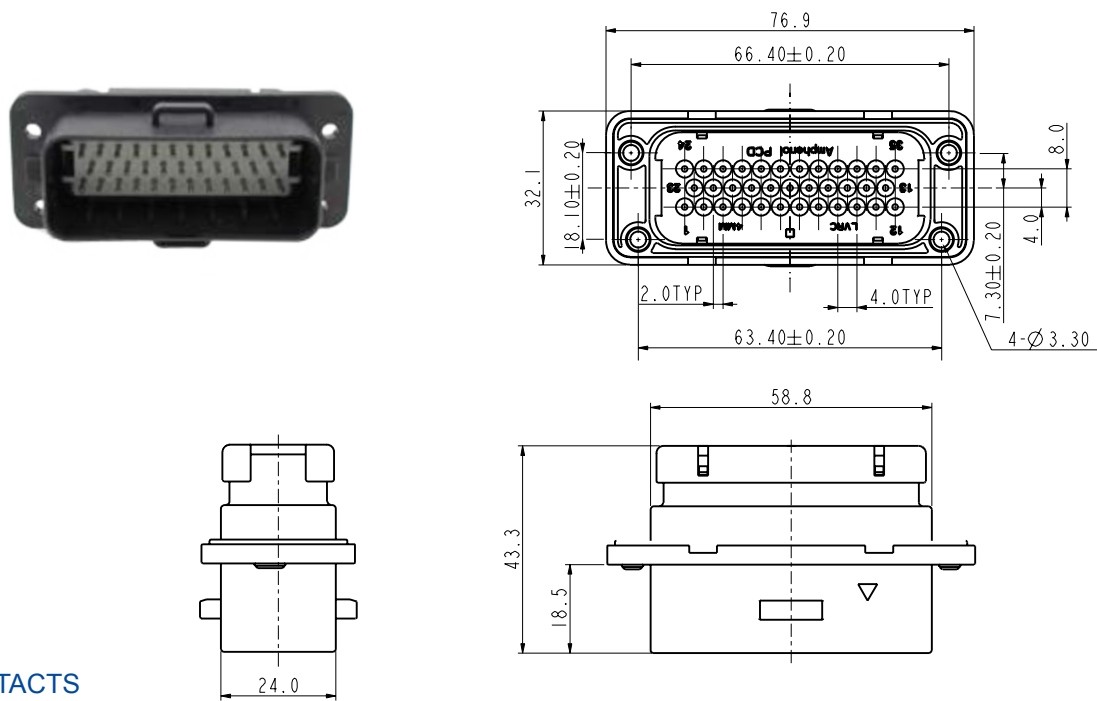


CONTACTS

All connectors do not include contacts. Please order them separately (ref: P/N below)	
CONTACTS (Female contact)	
Female contact	Sealing plug
P/N: C310023101	P/N: C220011207

SOCKET

35 PIN SOCKET: FRONT MOUNTED



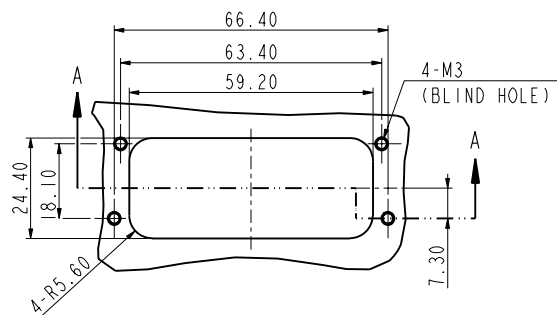
CONTACTS

All connectors do not include contacts. Please order them separately (ref: P/N below)

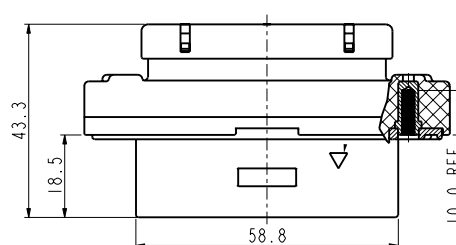
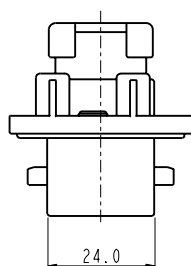
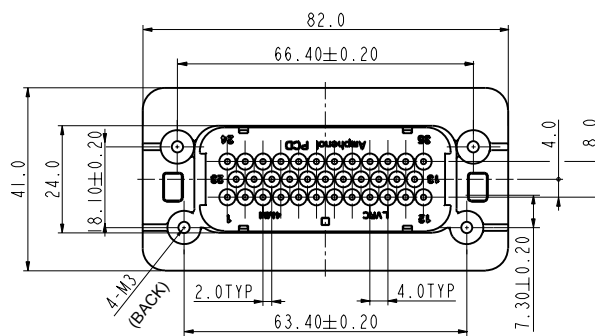
CONTACTS (Male contact)

Male contact	Sealing plug
P/N: C310023102	P/N: C220011207

PANEL MOUNTING DIMENSION



35 PIN SOCKET: REAR MOUNTED



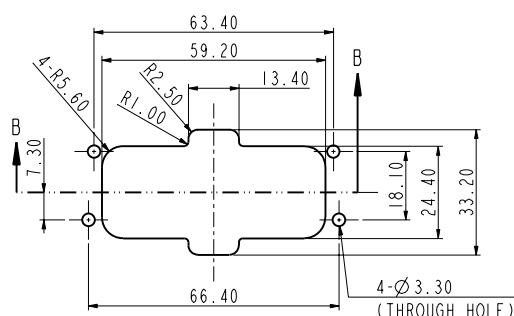
CONTACTS

All connectors do not include contacts. Please order them separately (ref: P/N below)

CONTACTS (Male contact)

Male contact	Sealing plug
P/N: C310023102	C220011207

PANEL MOUNTING DIMENSION



HOW TO ORDER

HOW TO ORDER

PLUG

	LVRC	F	35	P	C
Contact type: F: Female contact					
Number of contacts: 35					
Connector type: P: Plug					
Connection type: C: Crimping					

SOCKET

	LVRC	M	35	S	C	F
Contact type: M: Male contact						
Number of contacts: 35						
Connector type: S: Socket						
Connection type: C: Crimping						
Socket mounting type: F: Front mounted R: Rear mounted						



KEY FEATURES

Easy to install, reliable connection

Multiple coding positions

Contacts can be remove and replace by tools

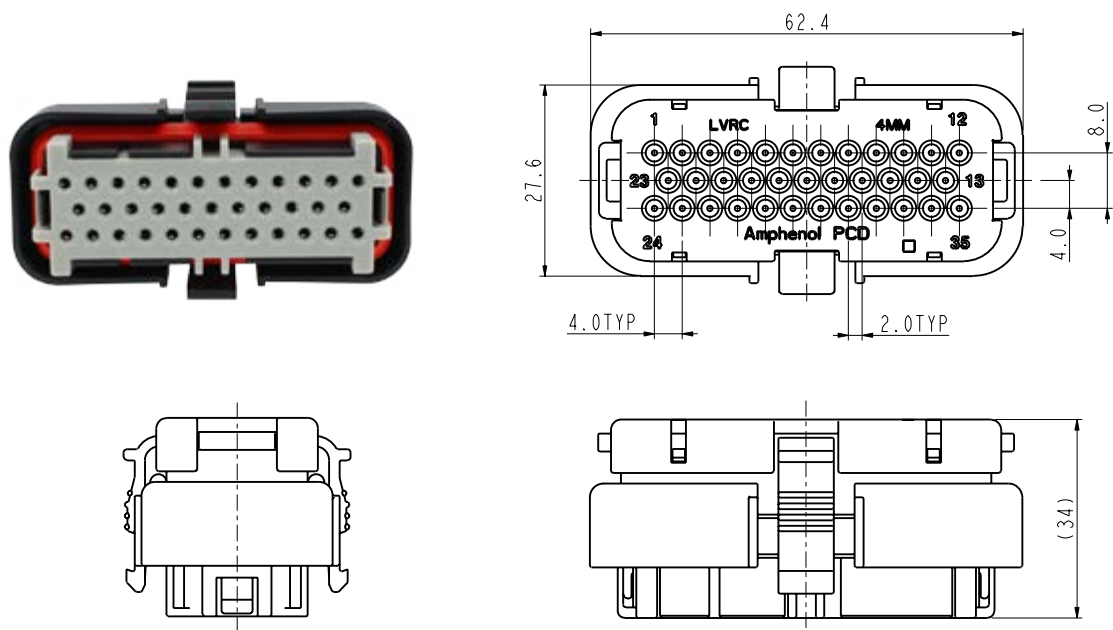
Sealing, IP67 mated

Economical

MECHANICAL	
Durability	50 mating cycles max
Wire range	22 to 18 AWG Wire insulation OD: 1.35 to 2.5 mm
Connection type	Crimping
ELECTRICAL	
Rated current	5A
Rated voltage	250V AC / 300V DC
Insulator resistance	$\geq 100\text{m}\Omega$ (500V DC)
Temperature rise	$\leq 55\text{K}$
ENVIRONMENTAL	
Temperature range	-40°C to 125°C
Humidity	90% to 95%
Sealing	IP67 (mated)
Inflammability	UL94-V0
STANDARDS	
USCAR-2	
USCAR-37	
RoHS	
MATERIAL	
Housing	PA66
Contacts	Copper alloy, tin plating
Insert	Silicone

PLUG

35 PIN PLUG



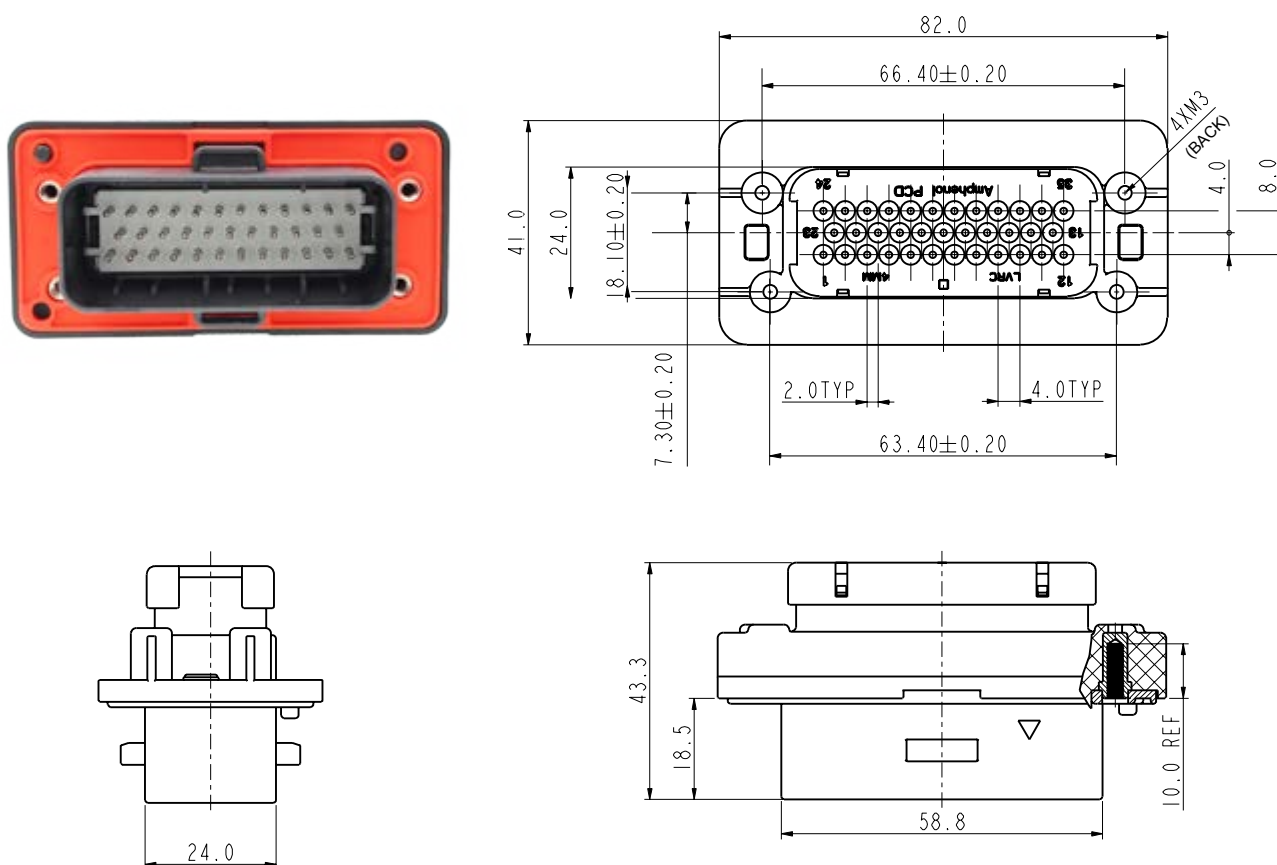
CONTACTS

All connectors do not include contacts. Please order them separately (ref: P/N below)	
CONTACTS (Female contact)	
Female contact	Sealing plug
P/N: C310023101	P/N: C220011207

PANEL MOUNTING DIMENSION

P/N	Coding A LVRCKF35PCAS1	Coding B LVRCKF35PCBS1	Coding C LVRCKF35PCCS1

35 PIN SOCKET



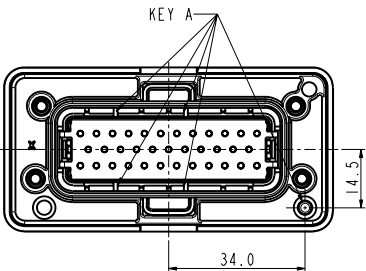
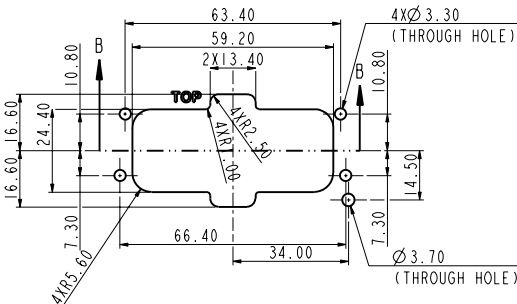
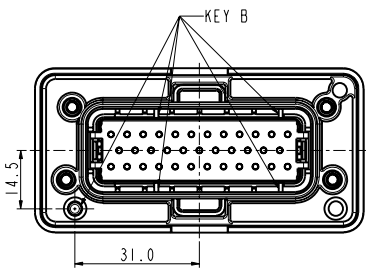
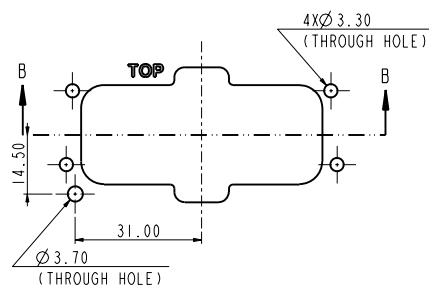
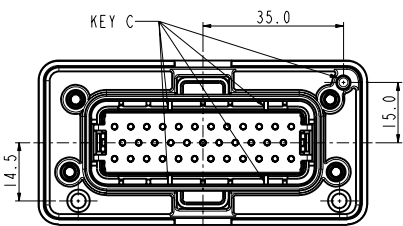
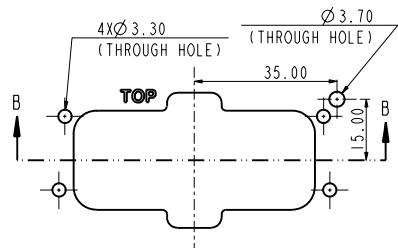
CONTACTS

All connectors do not include contacts. Please order them separately (ref: P/N below)

CONTACTS (Male contact)

Male contact	Sealing plug
P/N: C310023102	P/N: C220011207

PANEL MOUNTING DIMENSION

PART NUMBER	INSERT ORIENTATIONS	PANEL MOUNTING DIMENSION
LVRCKM35SCRAS1		
LVRCKM35SCRBS1		
LVRCKM35SCRCS1		

HOW TO ORDER

PLUG

LVRCK	F	35	P	C	A	S1
Contact type: F: Female contact						
Number of contacts: 35						
Connector type: P: Plug						
Connection type: C: Crimping						
Coding / Alternate position: A: Coding A B: Coding B C: Coding C						

SOCKET

LVRCK	M	35	S	C	R	A	S1
Contact type: M: Male contact							
Number of contacts: 35							
Connector type: S: Socket							
Connection type: C: Crimping							
Socket mounting type: R: Rear mounted							
Coding / Alternate position: A: Coding A B: Coding B C: Coding C							

HVRC 12 PIN

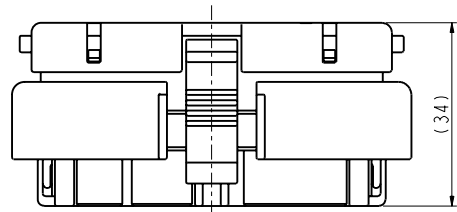
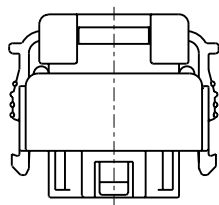
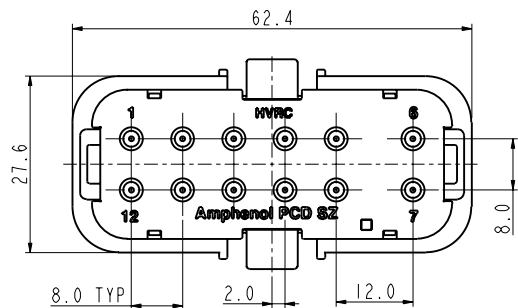


KEY FEATURES

- Easy to install, reliable connection
- Multiple coding positions
- Contacts can be remove and replace by tools
- Sealing, IP67 mated
- Economical

MECHANICAL	
Durability	50 mating cycles max
Wire range	22 to 18 AWG Wire insulation OD: 1.35 to 2.5 mm
Connection type	Crimping
ELECTRICAL	
Rated current	5A
Rated voltage	800V AC
Insulator resistance	≥ 100mΩ (500V DC)
Temperature rise	≤ 55K
ENVIRONMENTAL	
Temperature range	-40°C to 125°C
Humidity	90% to 95%
Sealing	IP67 (mated)
Inflammability	UL94-V0
STANDARDS	
USCAR-2	
USCAR-37	
RoHS	
MATERIAL	
Housing	PA66
Contacts	Copper alloy, tin plating
Insert	Silicone

12 PIN PLUG



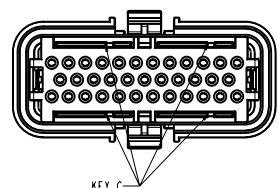
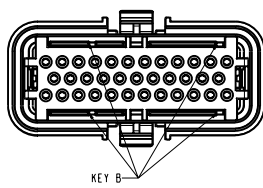
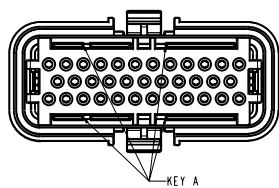
CONTACTS

All connectors do not include contacts. Please order them separately (ref: P/N below)

CONTACTS (Female contact)

Female contact	Sealing plug
P/N: C310023101	P/N: C220011207

PANEL MOUNTING DIMENSION



P/N

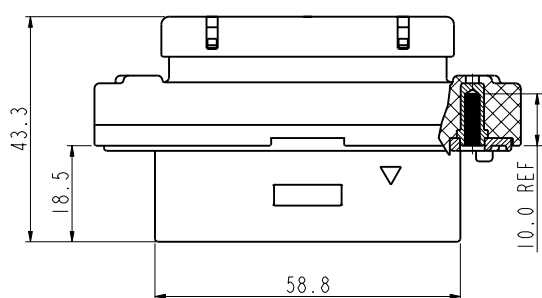
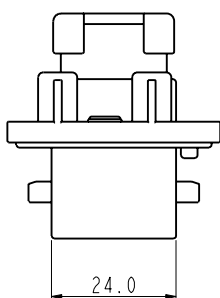
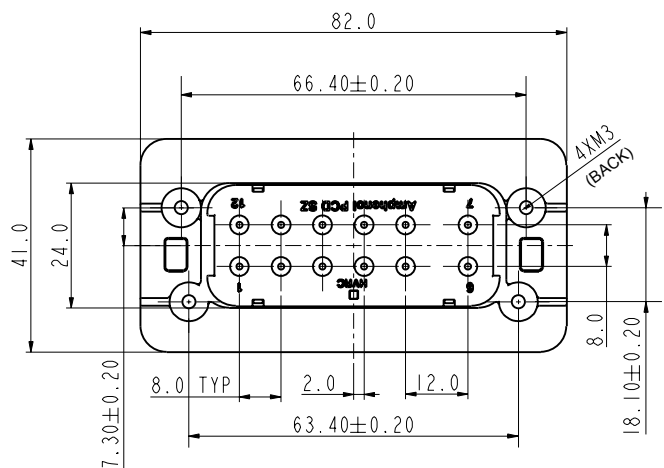
Coding A
HVR CF12PCA

Coding B
HVR CF12PCB

Coding C
HVR CF12PCC

SOCKET

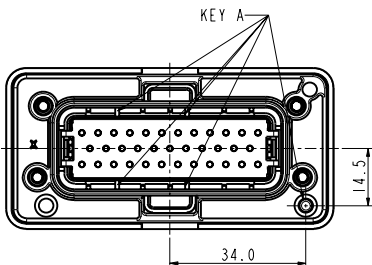
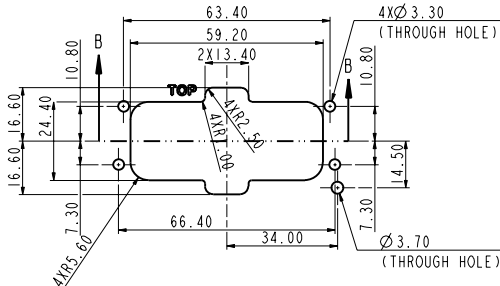
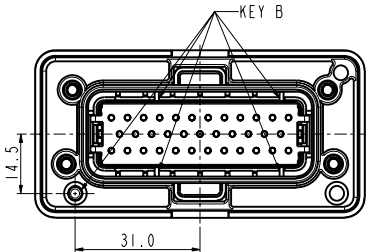
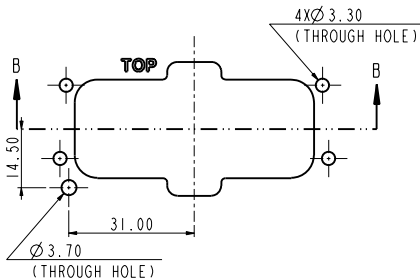
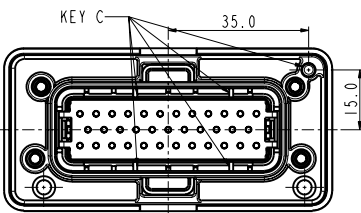
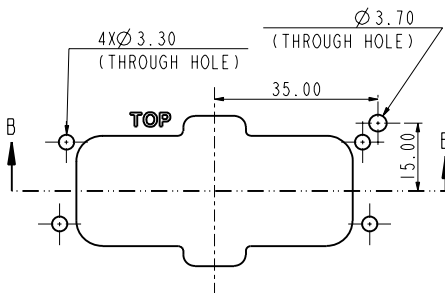
12 PIN SOCKET



CONTACTS

All connectors do not include contacts. Please order them separately (ref: P/N below)	
CONTACTS (Male contact)	
Male contact	Sealing plug
P/N: C310023102	P/N: C220011207

PANEL MOUNTING DIMENSION

PART NUMBER	INSERT ORIENTATIONS	PANEL MOUNTING DIMENSION
HVRCM12SCRA		
HVRCM12SCRB		
HVRCM12SCRC		

HOW TO ORDER

HOW TO ORDER

PLUG

	HVRC	F	12	P	C	A	S1
Contact type: F: Female contact							
Number of contacts: 12							
Connector type: P: Plug							
Connection type: C: Crimping							
Coding / Alternate position: A: Coding A B: Coding B C: Coding C							
Version							

SOCKET

	HVRC	M	12	S	C	R	A	S1
Contact type: M: Male contact								
Number of contacts: 12								
Connector type: S: Socket								
Connection type: C: Crimping								
Socket mounting type: R: Rear mounted								
Coding / Alternate position: A: Coding A B: Coding B C: Coding C								
Version								

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Notes:

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Amphenol PCD Shenzhen reserves the right to clarify this catalog.