

Crimp

- 24, 42, 72, 108, 144, 216 Contacts
- Current: 10A

DD Series

42 + 



24 + 



72 + 



108 + 



144 + 



216 + 



Crimp Tool



Extraction Tool



HLDD Series

Technical Characteristics

■ Inserts

Number of contacts: 24, 42, 72, 108,
144 (2×72),
216 (2×108) +PE

HLDD: 10A 250V 4KV 3

Working current

Working voltage

Rated shock voltage

Pollution degree

Pollution degree 2 also 10A 230/400V 4KV 2

Working voltage acc. to UL-CSA 600V

Insulation resistance $\geq 10^{10} \Omega$

Material Polycarbonate

Temperature range -40°C ~ +125°C

Flammability acc. to UL 94 V-0

Mechanical working life ≥ 500

-mating cycles

■ Contacts

Material Copper alloy

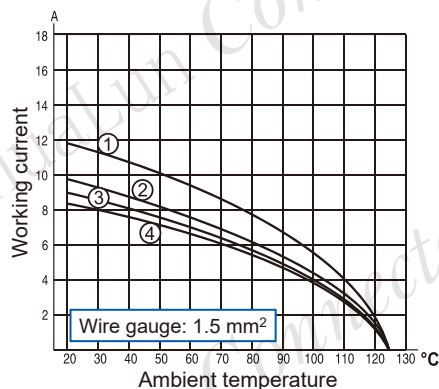
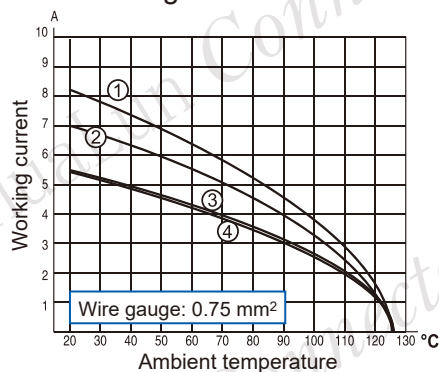
Surface - silver plated 3µm Ag

Contact resistance $\leq 3m\Omega$

Crimp terminal mm² 0.14~2.5mm²

AWG 26~14AWG

Current De-rating



① HLDD 24 ② HLDD 42 ③ HLDD 72 ④ HLDD 108

P (Pin)

crimp pin

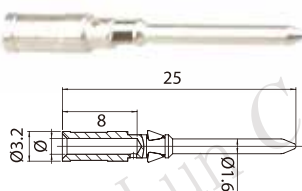
Wire gauge (mm²)

Ø mm

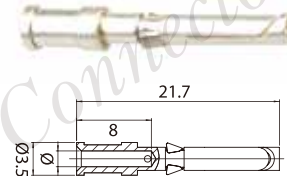
Strip length (mm)

S (Socket)

crimp socket



Part Number	DCP 22	0.14-0.37	AWG26-22	0.90	8
	DCP 20	0.5	AWG20	1.10	8
	DCP 18S	0.75	AWG18	1.30	8
	DCP 18	1.0	AWG18	1.45	8
	DCP 16	1.5	AWG16	1.75	8
	DCP 14	2.5	AWG14	2.25	6



Part Number	DCS 22
	DCS 20
	DCS 18S
	DCS 18
	DCS 16
	DCS 14

Crimp Tool

Part Number **M22520/1-01**



Locator

Part Number **D1612**

Extraction Tool

Part Number **ET16**



— DD Series Connector —

HLDD24

250V 10A

P (Pin)

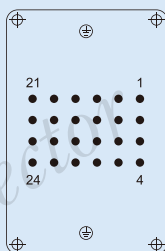
Contact arrangement
View from termination side

S (Socket)

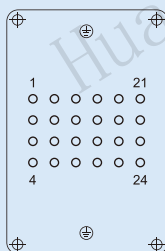
24P +


Part Number **HLDD24P**

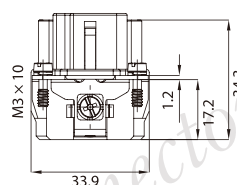
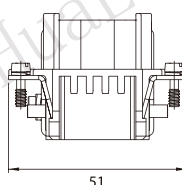
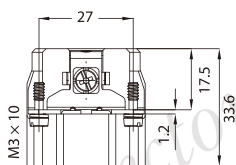
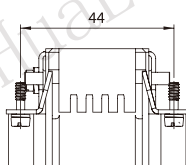
P



S



24S +


Part Number **HLDD24S**


Shell style see Page 38

HLDD42

250V 10A

P (Pin)

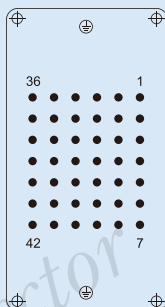
Contact arrangement
View from termination side

S (Socket)

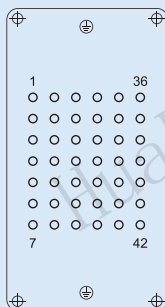
42P +


Part Number **HLDD42P**

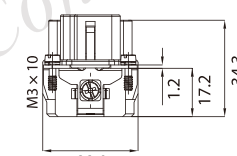
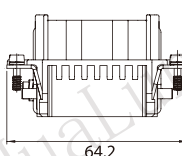
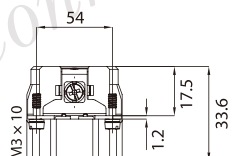
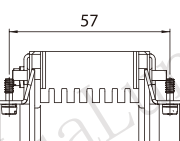
P



S



42S +


Part Number **HLDD42S**


Shell style see Page 39~41

DD

— DD Series Connector —

HLDD72

250V 10A

P (Pin)

Contact arrangement
View from termination side

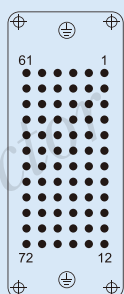
S (Socket)

72P + ⚡

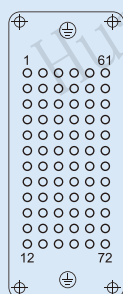


Part Number **HLDD72P**

P



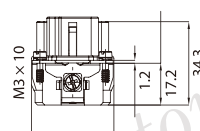
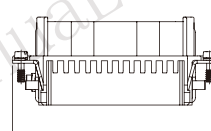
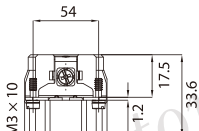
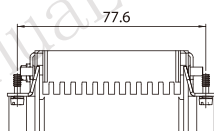
S



72S + ⚡



Part Number **HLDD72S**



Shell style see Page 42~44

HLDD108

250V 10A

P (Pin)

Contact arrangement
View from termination side

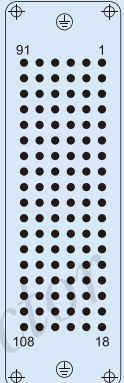
S (Socket)

108P + ⚡

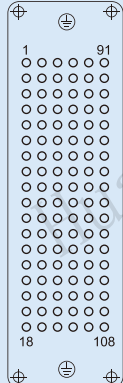


Part Number **HLDD108P**

P



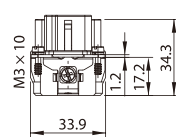
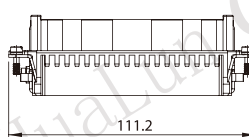
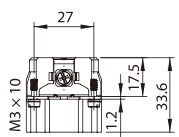
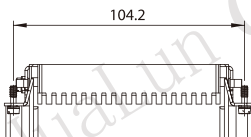
S



108S + ⚡



Part Number **HLDD108S**



Shell style see Page 45~47

— DD Series Connector —

HLDD144

250V 10A

P (Pin)

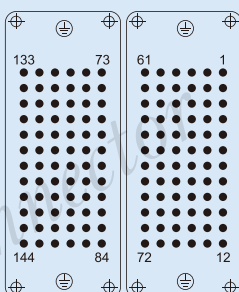
Contact arrangement
View from termination side

S (Socket)

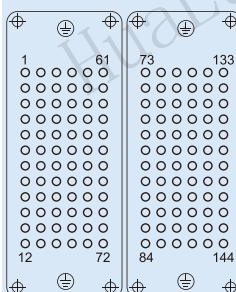
144P +


Part Number **HLDD144P**

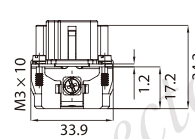
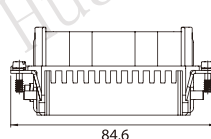
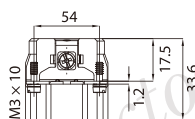
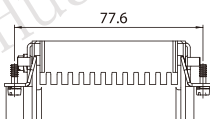
P



S



144S +


Part Number **HLDD144S**


Shell style see Page 48~49

HLDD216

250V 10A

P (Pin)

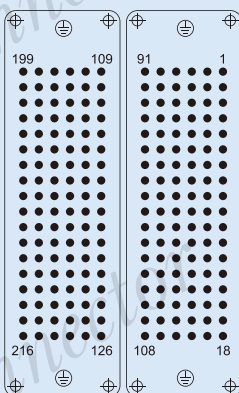
Contact arrangement
View from termination side

S (Socket)

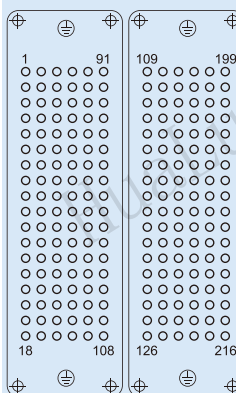
216P +


Part Number **HLDD216P**

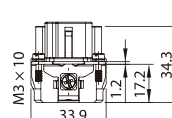
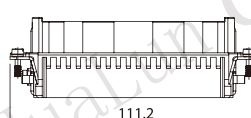
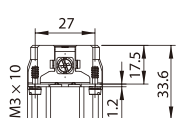
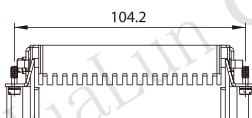
P



S



216S +


Part Number **HLDD216S**


Shell style see Page 50

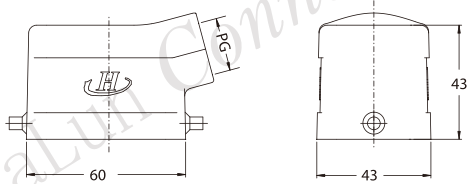
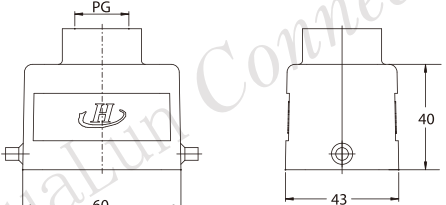
DD

— DD Series Shell style —

DD24 Code

Plug

Accessories see P98-100

DD	Shell	SEL Side Entry  PG13.5 PG16	TEL Top Entry  PG13.5 PG16
		HLDD24SEL	HLDD24TEL
		 60 43 43	 PG 60 43 40

Receptacle

	BHL Bulkhead	BCL Bulkhead With Cap	OSL One-Side Entry	OCL One-Side Entry With Cap	TSL Two-Side Entry	TCL Two-Side Entry With Cap
Shell			 PG13.5 PG16	 PG13.5 PG16	 PG13.5 PG16	 PG13.5 PG16
Code	HLDD24BHL	HLDD24BCL	HLDD24OSL	HLDD24OCL	HLDD24TSL	HLDD24TCL
Drawing						
Panel Mounted & Mounting Hole 			The mounting panel does not open rectangular holes Drill four holes at center intervals 			
Unit: mm						

— DD Series Shell style — DD42 Code

Plug

Accessories see P98-100

Shell	SE Side Entry	PG13.5 PG16	
	TE Top Entry	PG13.5 PG16	
	HLDD42SE	HLDD42TE	
Drawing			

Receptacle



Shell	BH Bulkhead	OS One-Side Entry	TS Two-Side Entry
		PG13.5 PG16 	PG13.5 PG16
	HLDD42BH	HLDD42OS	HLDD42TS
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

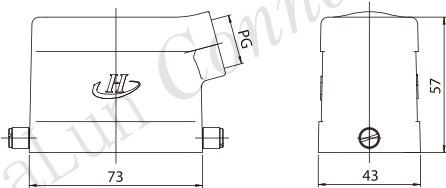
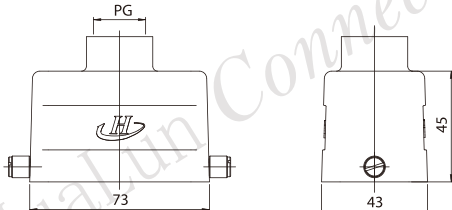
Unit: mm

— DD Series Shell style —

DD42 Code

Plug

Accessories see P98-100

Shell	SEL Side Entry  PG13.5 PG16	TEL Top Entry  PG13.5 PG16
Code	HLDD42SEL	HLDD42TEL
Drawing	 73 43 57	 PG 73 43 45

Receptacle

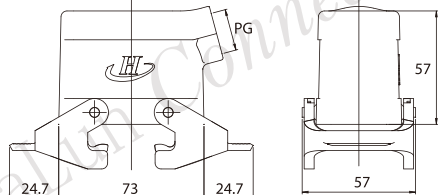
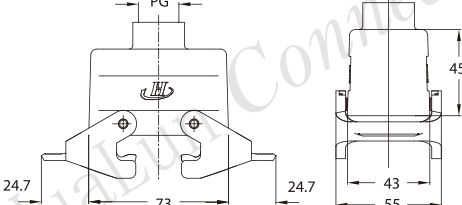
Shell	BHL Bulkhead	BCL Bulkhead With Cap	OSL One-Side Entry	OCL One-Side Entry With Cap	TSL Two-Side Entry	TCL Two-Side Entry With Cap
			 PG13.5 PG16	 PG13.5 PG16	 PG13.5 PG16	 PG13.5 PG16
Code	HLDD42BHL	HLDD42BCL	HLDD42OSL	HLDD42OCL	HLDD42TSL	HLDD42TCL
Drawing						
Panel Mounted & Mounting Hole 			The mounting panel does not open rectangular holes Drill four holes at center intervals 			
Unit: mm						

Unit: mm

— DD Series Shell style — DD42 Code

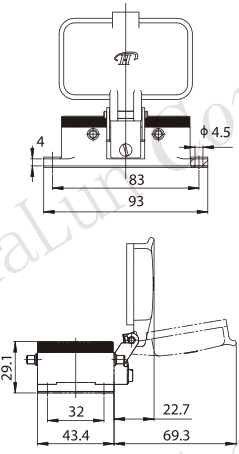
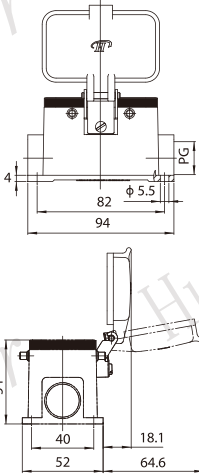
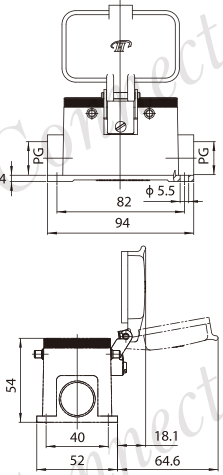
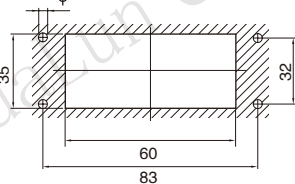
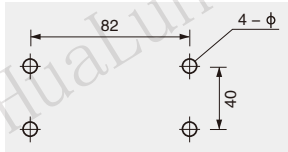
Plug

Accessories see P98-100

Shell	SL Side Entry  PG13.5 PG16	TL Top Entry  PG13.5 PG16
Code	HLDD42SL	HLDD42TL
Drawing	 Dimensions: 24.7, 73, 24.7, 57, 57	 Dimensions: 24.7, 73, 24.7, 45, 43, 55

Receptacle



Shell	BC Bulkhead With Cap 	OC One-Side Entry With Cap  PG13.5 PG16	TC Two-Side Entry With Cap  PG13.5 PG16
Code	HLDD42BC	HLDD42OC	HLDD42TC
Drawing	 Dimensions: 4, 83, 93, 4.5, 29.1, 32, 22.7, 43.4, 69.3	 Dimensions: 4, 82, 94, 5.5, 54, 40, 18.1, 52, 64.6	 Dimensions: 4, 82, 94, 5.5, 54, 40, 18.1, 52, 64.6
Panel Mounted & Mounting Hole  Dimensions: 35, 60, 83, 32		The mounting panel does not open rectangular holes Drill four holes at center intervals  Dimensions: 82, 40, 4 - ϕ	

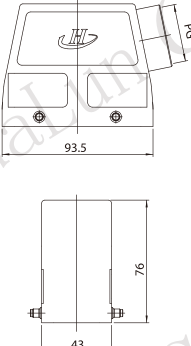
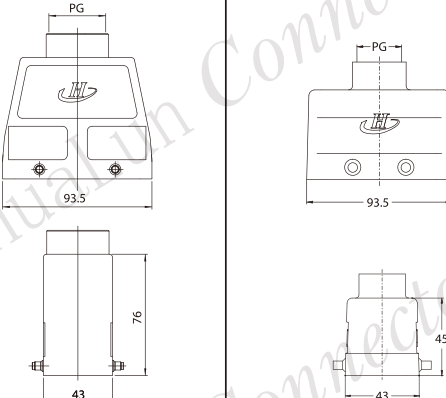
Unit: mm

— DD Series Shell style —

DD72 Code

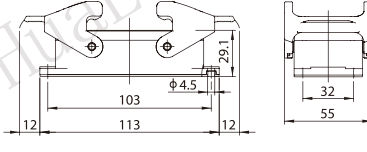
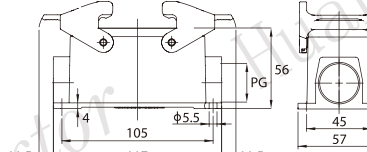
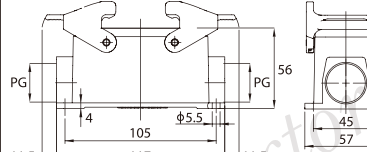
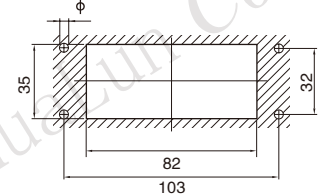
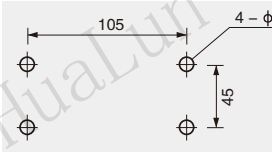
Plug

Accessories see P98-100

Shell	SE Side Entry  PG29	SE Side Entry  PG21 PG16	TE Top Entry  PG29	TE Top Entry  PG21 PG16
Code	HLDD72SE		HLDD72TE	
Drawing				



Receptacle

Shell	BH Bulkhead 	OS One-Side Entry  PG21 PG16	TS Two-Side Entry  PG21 PG16
Code	HLD72BH	HLD72OS	HLD72TS
Drawing			
Panel Mounted & Mounting Hole 	The mounting panel does not open rectangular holes Drill four holes at center intervals 		

Unit: mm



TUV SUD



ISO9001

ISO14001

ISO45001



华伦连接器
HuaLun Connector

— DD Series Shell style —

DD72 Code

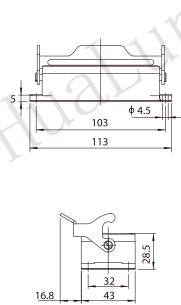
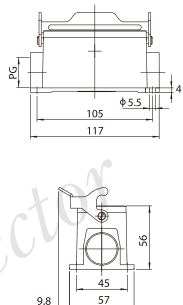
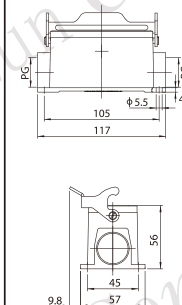
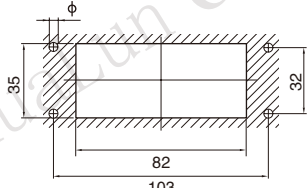
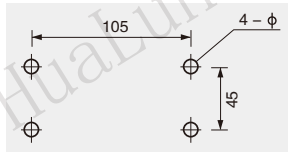
Plug

Accessories see P98-100

Shell	SEL Side Entry PG29	SEL Side Entry PG21 PG16	TEL Top Entry PG29	TEL Top Entry PG21 PG16
	HLDD72SEL		HLDD72TEL	
Drawing				

Receptacle



Shell	BHL Bulkhead	BCL Bulkhead With Cap	OSL One-Side Entry	OCL One-Side Entry With Cap	TSL Two-Side Entry	TCL Two-Side Entry With Cap
			 PG21 PG16	 PG21 PG16	 PG21 PG16	 PG21 PG16
Code	HLDD72BHL	HLDD72BCL	HLDD72OSL	HLDD72OCL	HLDD72TSL	HLDD72TCL
Drawing						
	Panel Mounted & Mounting Hole 			The mounting panel does not open rectangular holes Drill four holes at center intervals 		
Unit: mm						

Unit: mm

DD

— DD Series Shell style —

DD72 Code

Plug

Accessories see P98-100

Shell	SL Side Entry PG29	SL Side Entry PG21 PG16	TL Top Entry PG29	TL Top Entry PG21 PG16
Code	HLDD72SL		HLDD72TL	
Drawing				

Receptacle



Shell	BC Bulkhead With Cap	OC One-Side Entry With Cap PG21 PG16	TC Two-Side Entry With Cap PG21 PG16
Code	HLDD72BC	HLDD72OC	HLDD72TC
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm



TUV SUD



ISO9001

ISO14001

ISO45001



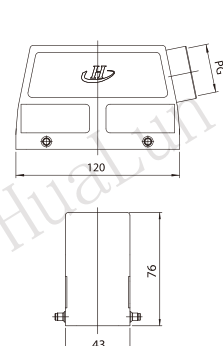
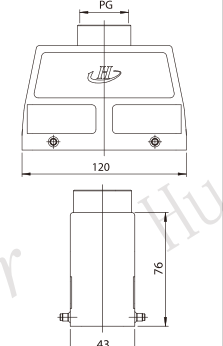
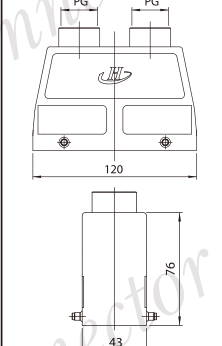
华伦连接器
HuaLun Connector

— DD Series Shell style —

DD108 Code

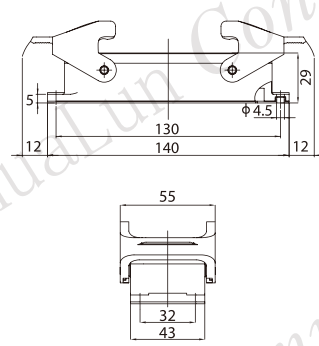
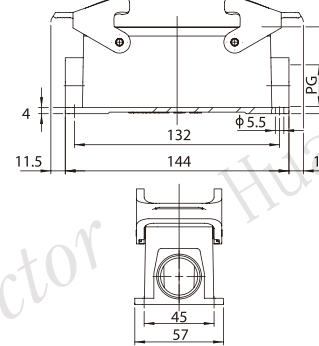
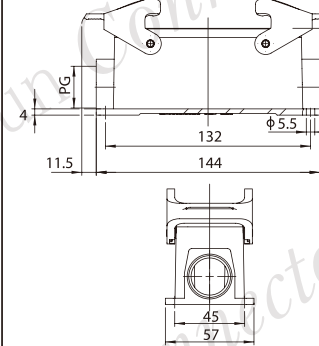
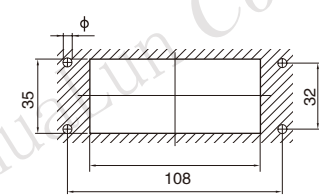
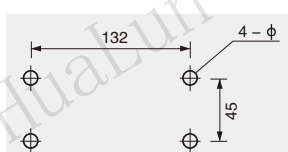
Plug

Accessories see P98-100

Shell	SE Side Entry PG29 	SE Side Entry PG21 PG16 	TE Top Entry PG29 	TE Top Entry PG21 PG16 	TT Two-Top Entry PG21 PG16 
Code	HLDD108SE		HLDD108TE		HLDD108TT
Drawing					



Receptacle

Shell	BH Bulkhead 	OS One-Side Entry PG21 PG16 	TS Two-Side Entry PG21 PG16 
Code	HLDD108BH	HLDD108OS	HLDD108TS
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm

DD

— DD Series Shell style —

DD108 Code

Plug

Accessories see P98-100

Shell	SEL Side Entry PG29	SEL Side Entry PG21 PG16	TEL Top Entry PG29	TEL Top Entry PG21 PG16
Code	HLDD108SEL		HLDD108TEL	
Drawing				

Receptacle



Shell	BHL Bulkhead	BCL Bulkhead With Cap	OSL One-Side Entry	OCL One-Side Entry With Cap	TSL Two-Side Entry	TCL Two-Side Entry With Cap
			PG21 PG16	PG21 PG16	PG21 PG16	PG21 PG16
Code	HLDD108BHL	HLDD108BCL	HLDD108OSL	HLDD108OCL	HLDD108TSL	HLDD108TCL
Drawing						
Panel Mounted & Mounting Hole 			The mounting panel does not open rectangular holes Drill four holes at center intervals 			

Unit: mm

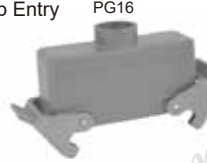
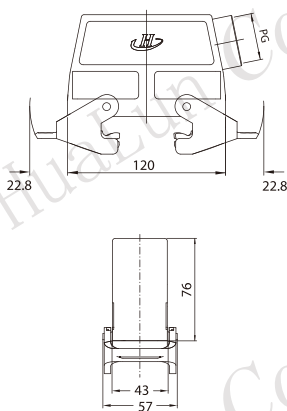
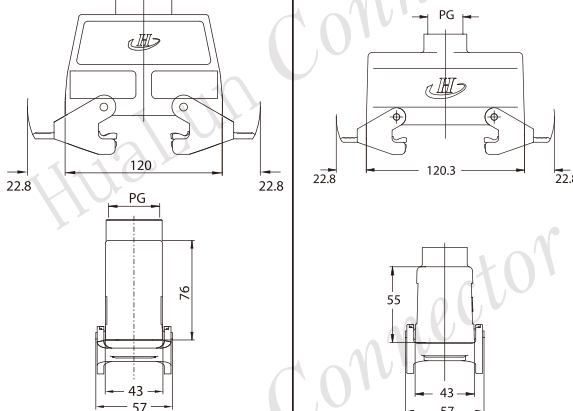
Unit: mm

— DD Series Shell style —

DD108 Code

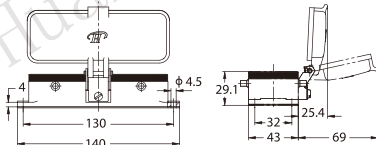
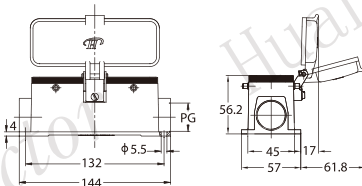
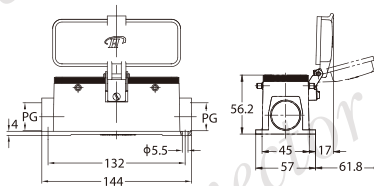
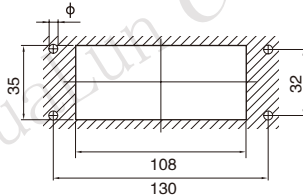
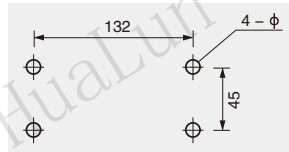
Plug

Accessories see P98-100

Shell	SL Side Entry PG29 	SL Side Entry PG21 PG16 	TL Top Entry PG29 	TL Top Entry PG21 PG16 
Code	HLDD108SL		HLDD108TL	
Drawing				

Receptacle



Shell	BC Bulkhead With Cap 	OC One-Side Entry With Cap PG21 PG16 	TC Two-Side Entry With Cap PG21 PG16 
Code	HLDD108BC	HLDD108OC	HLDD108TC
Drawing	 HLDD108BC drawing details: Front view shows a width of 140mm and a height of 4mm. The mounting panel has a width of 130mm and a height of 29.1mm. The cap has a width of 130mm and a height of 25.4mm. The cap is attached to the mounting panel with a hinge. The cap has a width of 130mm and a height of 25.4mm. The cap is attached to the mounting panel with a hinge. The cap has a width of 130mm and a height of 25.4mm. The cap is attached to the mounting panel with a hinge.	 HLDD108OC drawing details: Front view shows a width of 144mm and a height of 4mm. The mounting panel has a width of 132mm and a height of 56.2mm. The cap has a width of 132mm and a height of 17mm. The cap is attached to the mounting panel with a hinge. The cap has a width of 132mm and a height of 17mm. The cap is attached to the mounting panel with a hinge. The cap has a width of 132mm and a height of 17mm. The cap is attached to the mounting panel with a hinge.	 HLDD108TC drawing details: Front view shows a width of 144mm and a height of 4mm. The mounting panel has a width of 132mm and a height of 56.2mm. The cap has a width of 132mm and a height of 17mm. The cap is attached to the mounting panel with a hinge. The cap has a width of 132mm and a height of 17mm. The cap is attached to the mounting panel with a hinge. The cap has a width of 132mm and a height of 17mm. The cap is attached to the mounting panel with a hinge.
Panel Mounted & Mounting Hole  Panel Mounted & Mounting Hole drawing details: The drawing shows a rectangular panel with a width of 108mm and a height of 32mm. The panel is mounted on a base with a width of 130mm and a height of 35mm. The panel has a width of 108mm and a height of 32mm. The panel is mounted on a base with a width of 130mm and a height of 35mm. The panel has a width of 108mm and a height of 32mm. The panel is mounted on a base with a width of 130mm and a height of 35mm.		The mounting panel does not open rectangular holes Drill four holes at center intervals  The mounting panel does not open rectangular holes Drill four holes at center intervals drawing details: The drawing shows a rectangular panel with a width of 132mm and a height of 45mm. The panel has a width of 132mm and a height of 45mm. The panel has a width of 132mm and a height of 45mm. The panel has a width of 132mm and a height of 45mm. The panel has a width of 132mm and a height of 45mm.	

Unit: mm

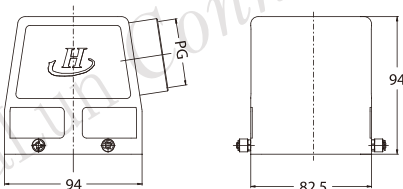
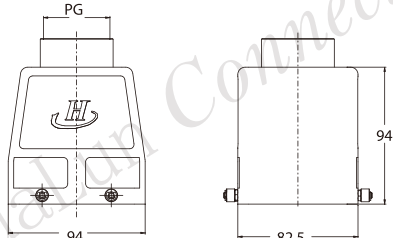
Unit: mm

— DD Series Shell style —

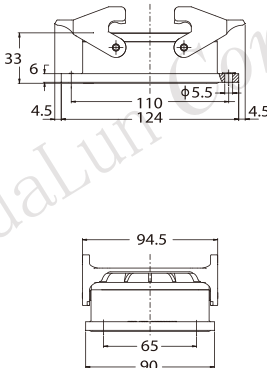
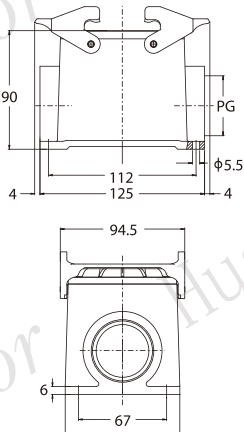
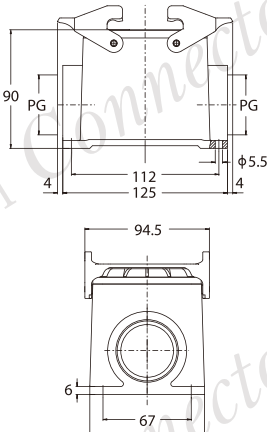
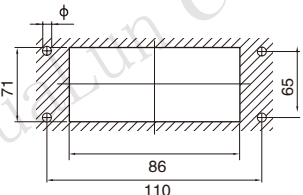
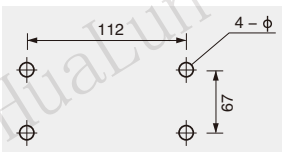
DD144 Code

Plug

Accessories see P98-100

Shell	SE Side Entry  PG36 PG29	TE Top Entry  PG36 PG29
	HLDD144SE	HLDD144TE
Drawing		

Receptacle

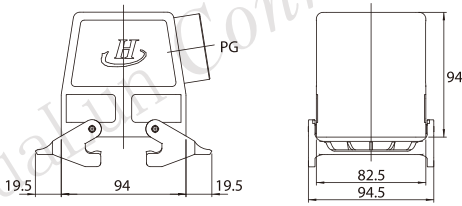
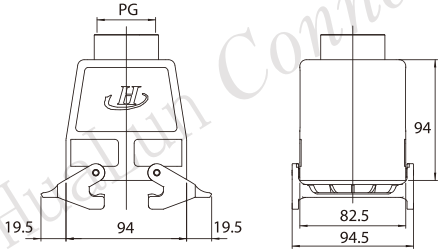
Shell	BH Bulkhead 	OS One-Side Entry  PG36 PG29	TS Two-Side Entry  PG36 PG29
	HLDD144TE	HLDD144OS	HLDD144TS
Drawing			
	Panel Mounted & Mounting Hole 	The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm

— DD Series Shell style — DD144 Code

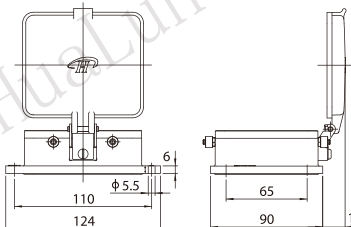
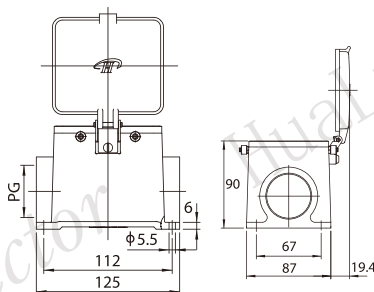
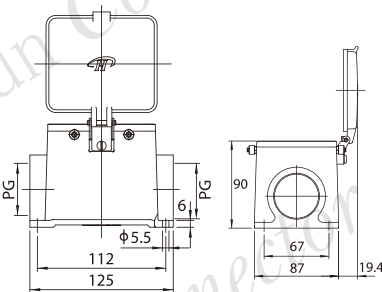
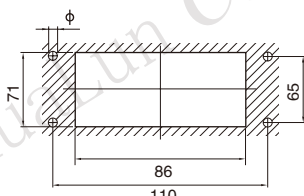
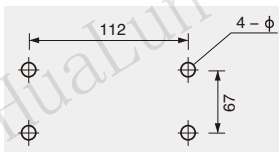
Plug

Accessories see P98-100

Shell	SL Side Entry  PG36 PG29	TL Top Entry  PG36 PG29
Code	HLDD144SL	HLDD144TL
Drawing		



Receptacle

Shell	BC Bulkhead With Cap 	OC One-Side Entry With Cap  PG36 PG29	TC Two-Side Entry With Cap  PG36 PG29
Code	HLDD144BC	HLDD144OC	HLDD144TC
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

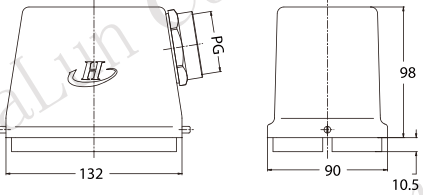
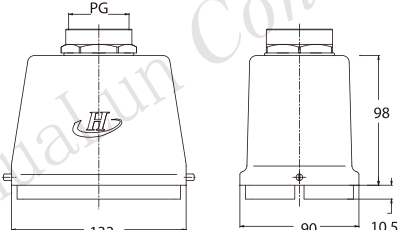
Unit: mm

— DD Series Shell style —

DD216 Code

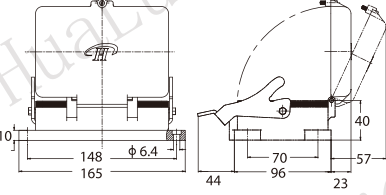
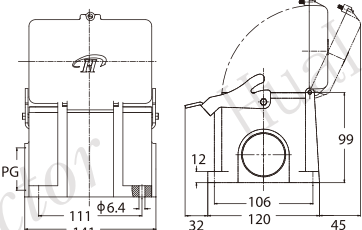
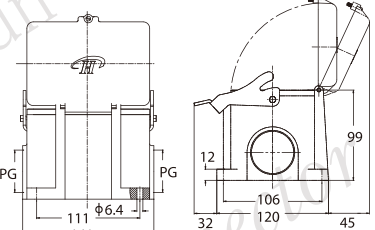
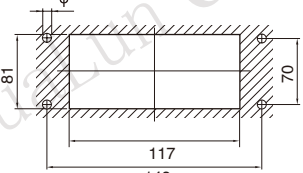
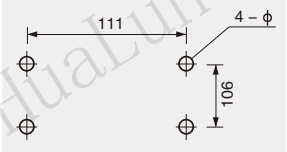
Plug

Accessories see P98-100

Shell	SEL Side Entry	 PG36 PG29
	TEL Top Entry	 PG36 PG29
Code	HLDD216SEL	HLDD216TEL
Drawing	 Dimensions: 132, 98, 90, 10.5	 Dimensions: 132, 98, 90, 10.5



Receptacle

Shell	BCL Bulkhead With Cap	OCL One-Side Entry With Cap	TCL Two-Side Entry With Cap
	 PG36 PG29	 PG36 PG29	 PG36 PG29
Code	HLDD216BCL	HLDD216OCL	HLDD216TCL
Drawing	 Dimensions: 148, 165, 10, 14, 44, 70, 96, 23, 57, 40, 6.4	 Dimensions: 111, 141, 12, 106, 120, 45, 99, 6.4	 Dimensions: 111, 141, 12, 106, 120, 45, 99, 6.4
Panel Mounted & Mounting Hole  Dimensions: 81, 117, 148, 70		The mounting panel does not open rectangular holes Drill four holes at center intervals  Dimensions: 111, 106, 4-φ	

Unit: mm