

Data Sheet



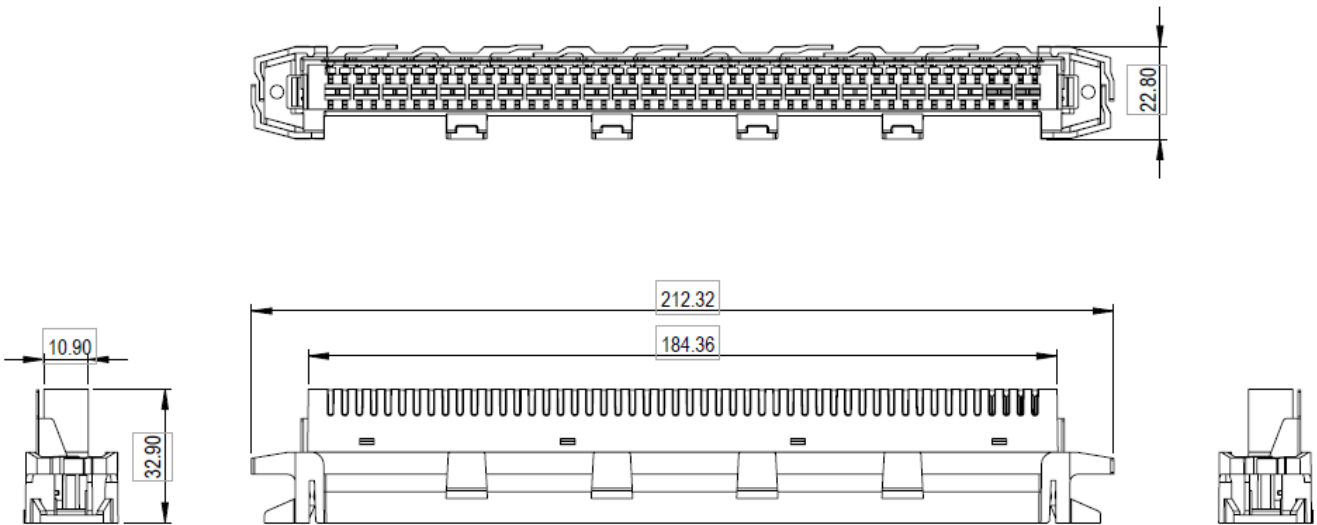
Disconnection Module

- Application:**
- Telephone
 - Telecommunication
 - DataCommunication
 - Broadband Internet
 - LAN

Construction:

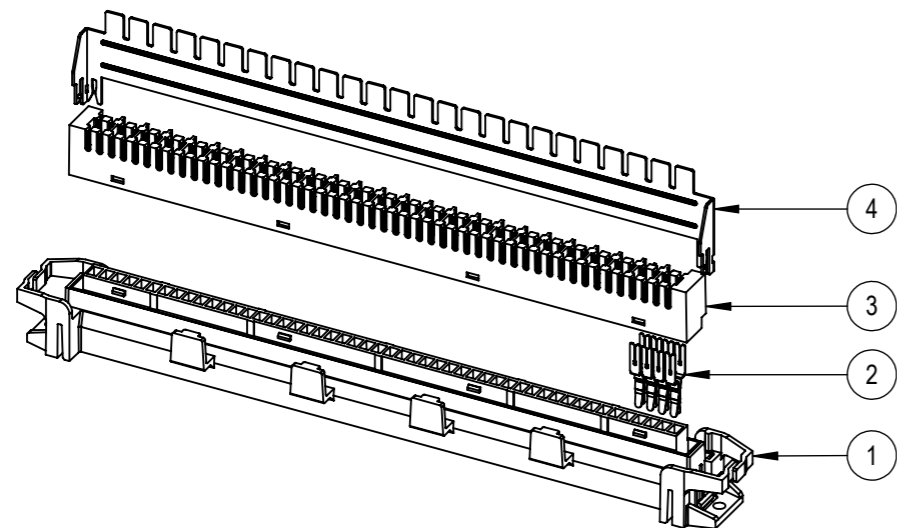
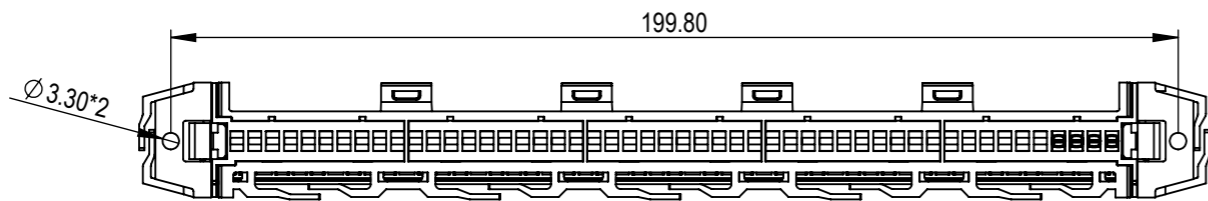
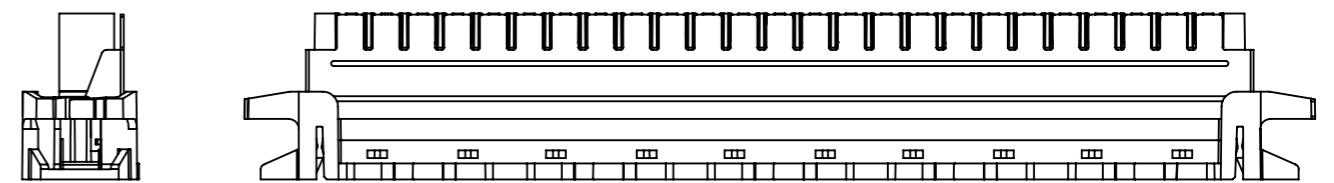
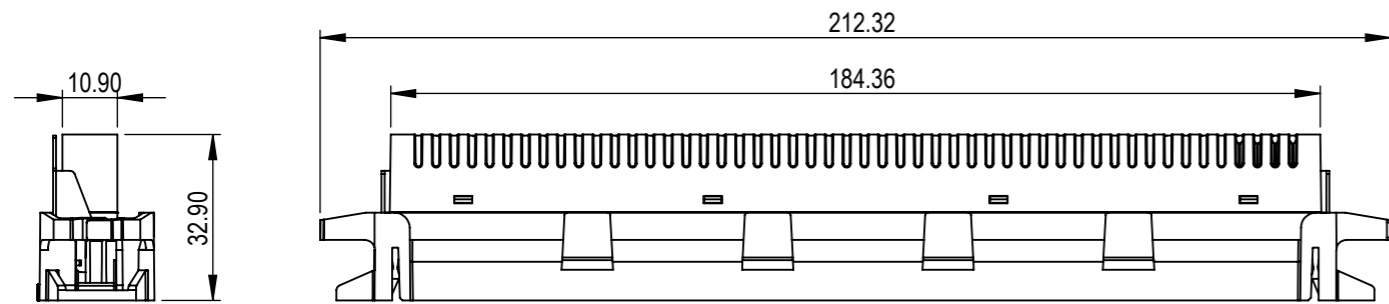
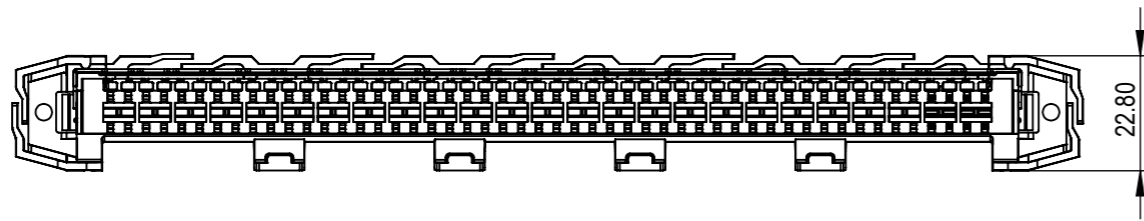
Design	25-pair disconnection type (normally closed)	
	Insulation Displacement Contact (IDC) technique	
	Contact elements tagged 90° angles across the axis of the wire make a solid connection	
	Consist of input feeder fieldside and output distribution fieldside	
	Support copper wire range 26AWG–22AWG (0.40mm–0.65mm) with 1.40mm diameter of insulator (PE or PVC)	
	Center port accepts either single pair plug-in protector unit or magazine plug-in type protector unit	
	Center port is made common to the ground shield and to all external ground connector	
Provide ground continuity connection to the mounting system		
Mounting System	Back-Mount Frame (BMF), Profile Rod, Profile Rail	
Housing	Material	Polycarbonate (High dielectric , Moisture resistance , Flame Retardant & Self-extinguishment (UL94-V0)) Free from cracks, splits and cracking and chemical resistance in service environment
	Color	White
Contact	Material	Spring copper
	Surface Treatment	Silver and Gold, Thickness ≥ 5µm Free of detrimental contamination or corrosion
Marking	Brand name, Pair numbering, Year of manufacturing	

Dimension:



Performance:

	Description	Result	TestMethod/Standard
Electric	TerminalBlock •ContactResistance	<1mΩ	IEC 512-2Test 2a
	•InsulationResistance		IEC 512-2Test 3a, MethodA
	•DielectricStrength	Nocrack,breakormelt	2kVrms@1min. period,LeakageCurrent≤10mA
	•DataTransmission(@ 100MHz)	IL≤0.4dB RL≥14dBNEXTLos s≥14dB	TIA/EIA568-A
	GroundingConnector •ContactResistance	≤20mΩ	Terminated6 AWGcopperwire withGrounding connectorterminalonBMF(ASTMB539-90MethodC)
	•CurrentCarryingCapability	1,000Afor 20sec. Nocrack,break or melt	Terminated6 AWGcopperwire withGrounding connectorterminalonBMF
Mechanic	TerminalBlock •WirePull-Out	Thebreakingstrengthorpull- out oftheconnection>60% of themeansplicedinsulated wirebreakingstrength	Terminatethesampleswith 24AWG(0.5mm)PEor PVCinsulatedsolidcopper wire.theterminatedwires shall be pull testeduntilwirebreakageor pull-out,ata uniformlypullrate of2 Inches/min.
	•Bending	Nodamageofcontact	Terminatethesampleswith 24AWG(0.5mm)PEor PVCinsulatedsolidcopper wire.Wirelengthshall be 300mm,150gWeightshallbefixedtothefreeend of thewireandshall besubjectedto apendulummotion whoseplaneisperpendicularto theaxisofthecontact. Theangleofthemotionshall be 45°fromthevertical andthetestshallcomprise10cycles.
	•Torsion	Nobreakorscrapofwire	Terminatethesampleswith 24AWG(0.5mm)PEor PVCinsulatedsolidcopper wire.2Nofloadshallbe appliedto wiretothecontact,10 applicationshas done rightandtoleftside withtheangleof90°throughthe contactaxis.
	•Vibration		Firmlyheldonthesamplesonavibrationtableand eachterminalshall beterminatedwith 24AWG(0.5mm) PEorPVCinsulatedsolidcopperwire(IEC 352-4).The conditionsfortesting: -Frequencyrange:10– 50Hz. -Displacementamplitudebelowthecross-over frequency:0.76mm -Direction:Threemutuallyperpendicularplanes - Numberofcyclesper direction:20min -Totaltime:2Hours
	-ContactResistanceTest - InsulationResistanceTest	Δ<2mΩ ≥ 10 ⁹ Ω	
	•RepeatedConnectionandDisconnection		200 repetitiveofconnectionsand disconnections,using 24AWG(0.5mm)PEorPVCinsulatedsolidcopperwire atroomtemperature.Onecycleconsistsofremovedand insertion.
	-ContactResistanceTest	Δ<2mΩ	
	•Re-patching		Thecenterportshallbesubjectedto500 repetitive patchingcyclesusingthetest plugorpatchcordplug insertthecontactsatroomtemperature.
-ContactResistanceTest	Δ<2mΩ		
GroundingConnector •GroundingConductorPull-Out	Nosuddenapplicationofforce	Whenthegroundingconnectorismountedonthe indoorterminalanda 6AWGcopperwireisterminated, the assemblyshall becapableofwithstandingapull of 35lbs (15.9Kg)for1min.whenthescrwsare tightenedto atorqueof25in-lbs(28.8cm-Kg).	
Environment	•HighTemperature -ContactResistance -InsulationResistanceafterTest	Δ<2mΩ ≥ 10 ⁹ Ω	Temperature140°F(60°C),10Days
	•TemperatureCyclewithHighHumidity		Temperature40°F(4.4°C)– 90°F(32°C), Humidity90–95%RHwith-48VDCfor 30Days
	-ContactResistance -InsulationResistanceduringTest - InsulationResistanceafterTest	Δ<2mΩ ≥ 100MΩ ≥ 10 ⁹ Ω	



ITEM NO.	PART NUMBER	PART NAME	DESCRIPTION	QTY.
4		Ground_1	Ground	1
3		Disconnect 2_1	Top	1
2		Pin	Pin	100
1		Disconnect 1_1	Bottom	1

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS		FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
SURFACE FINISH:									
TOLERANCES:									
LINEAR:									
ANGULAR:									
NAME	SIGNATURE	DATE				TITLE:			
DRAWN									
CHK'D									
APPV'D									
MFG									
Q.A					MATERIAL:	DWG NO.		A3	
						Disconnect NC			
					WEIGHT:	SCALE:1:2		SHEET 1 OF 1	