

# ESQT-108-02-F-D-510

#### ESQT-108-02-F-D-510 Information

|              | ESQT-108-02-F-D-510                                                                           |                                                                                                                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer | Samtec Inc.                                                                                   |                                                                                                                                                                                                                       |
| Category     | Connectors, Interconnects<br>Rectangular Connectors - Headers, Receptacles,<br>Female Sockets |                                                                                                                                                                                                                       |
| Description  | ELEVATED 2MM SOCKETS                                                                          |                                                                                                                                                                                                                       |
| Package      | -                                                                                             |                                                                                                                                                                                                                       |
|              | us                                                                                            | Request a Quote                                                                                                                                                                                                       |
|              | Manufacturer<br>Category                                                                      | ManufactureSamtec Inc.CategoryConnectors, Interconnects<br>Rectangular Connectors - Headers, Receptacles,<br>Female SocketsDescriptionELEVATED 2MM SOCKETSPackage-For the pricing/inventory/lead time, please contact |

### **Certified Quality**

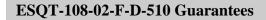
Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



### ESQT-108-02-F-D-510 Specifications

| Manufacturer Part NumberESQT-108-02-F-D-510ManufacturerSamtec Inc.CategoryConnectors, InterconnectsRectangular Connectors - Headers, Receptacles, Female SocketsPackage-SeriesFleXYZ? ESQTConnector TypeElevated SocketContact TypeForkedStyleBoard or CableNumber of Positions16Number of Positions LoadedAllPitch - Mating0.079" (2.00mm)Number of Rows2Row Spacing - Mating0.079" (2.00mm)Mounting TypeThrough HoleTerminationSolderFastening TypeQualContact Finish - MatingGoldContact Finish - MatingGoldContact Finish Thickness - MatingJuin (0.08µm)Insulation ColorBlackInsulation Fleight0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature.55°C ~ 125°COperating Temperature10.04.00 |                                   | E80T 100 02 E D 510                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------|
| CategoryConnectors, InterconnectsRectangular Connectors - Headers, Receptacles, Female SocketsPackage-SeriesFleXY2? ESQTConnector TypeElevated SocketContact TypeSordetContact TypeBoard to Board or CableNumber of Positions16Number of Positions LoadedAllNumber of Rows2Row Spacing - Mating0.079° (2.00mm)Number of Rows2Row Spacing - MatingSolderMounting TypeSolderFreminationSolderContact Finish - MatingGoldContact Finish - MatingJin (0.08µm)Insulation ColorBlackInsulation Height0.510° (12.95mm)Contact Length - Post0.340° (8.64mm)Operating Temperature0.55° C 125°C                                                                                                                                   |                                   |                                                               |
| Image: PackageRectangular Connectors - Headers, Receptacles, Female SocketsPackage-SeriesFleXYZ? ESQTConnector TypeElevated SocketContact TypeForkedStyleBoard to Board or CableNumber of Positions16Number of Positions LoadedAllPitch - Mating0.079" (2.00mm)Number of Rows2Row Spacing - Mating0.079" (2.00mm)Mounting TypeThrough HoleTerminationSolderFastening TypePush-PullContact Finish - MatingGoldInsulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                               | Manufacturer                      | Samtec Inc.                                                   |
| Package-SeriesFlcXYZ? ESQTConnector TypeElevated SocketContact TypeForkedStyleBoard to Board or CableNumber of Positions16Number of Positions LoadedAllPitch - Mating0.079" (2.00mm)Number of Rows2Row Spacing - Mating0.079" (2.00mm)Mounting Type0.079" (2.00mm)TerminationSolderFastening TypeVunber Ole SolderContact Finish - MatingGoldContact Finish Thickness - MatingJin (0.08µm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post.340" (8.64mm)Operating Temperature.55°C ~ 125°C                                                                                                                                                                                                   | Category                          | Connectors, Interconnects                                     |
| SeriesFleXYZ? ESQTConnector TypeElevated SocketContact TypeForkedStyleBoard to Board or CableNumber of Positions16Number of Positions LoadedAllPitch - Mating0.079" (2.00mm)Number of Rows2Row Spacing - Mating0.079" (2.00mm)Mounting TypeThrough HoleTerminationSolderFastening TypeOuth CollContact Finish - MatingGoldContact Finish - MatingJin (0.08µm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64µm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                               |                                   | Rectangular Connectors - Headers, Receptacles, Female Sockets |
| Connector TypeElevated SocketContact TypeForkedStyleBoard to Board or CableNumber of Positions16Number of Positions LoadedAllPitch - Mating0.079" (2.00mm)Number of Rows2Row Spacing - Mating0.079" (2.00mm)Mounting TypeThrough HoleTerminationSolderFastening TypePush-PullContact Finish - MatingGoldInsulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                    | Package                           | -                                                             |
| Contact TypeForkedStyleBoard to Board or CableNumber of Positions16Number of Positions LoadedAllPitch - Mating0.079" (2.00mm)Number of Rows2Row Spacing - Mating0.079" (2.00mm)Mounting TypeThrough HoleTerminationSolderFastening TypePush-PullContact Finish - MatingGoldContact Finish Thickness - MatingJini (0.08µm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                   | Series                            | FleXYZ? ESQT                                                  |
| StyleBoard to Board or CableNumber of Positions16Number of Positions LoadedAllPitch - Mating0.079" (2.00mm)Number of Rows2Row Spacing - Mating0.079" (2.00mm)Mounting TypeOn79" (2.00mm)TerminationSolderFastening TypePush-PullContact Finish - MatingGoldContact Finish Thickness - MatingJini (0.08µm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                   | Connector Type                    | Elevated Socket                                               |
| Number of Positions16Number of Positions LoadedAllPitch - Mating0.079" (2.00mm)Number of Rows2Row Spacing - Mating0.079" (2.00mm)Mounting Type0.079" (2.00mm)Mounting TypeThrough HoleTerminationSolderFastening TypePush-PullContact Finish - MatingGoldContact Finish Thickness - MatingJini (0.08µm)Insulation ColorBlackInsulation Height0.310" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                     | Contact Type                      | Forked                                                        |
| Number of Positions LoadedAllPitch - Mating0.079" (2.00mm)Number of Rows2Row Spacing - Mating0.079" (2.00mm)Mounting TypeThrough HoleTerminationSolderFastening TypePush-PullContact Finish - MatingGoldContact Finish Thickness - MatingJini (0.08µm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                      | Style                             | Board to Board or Cable                                       |
| Pitch - Mating0.079" (2.00mm)Number of Rows2Row Spacing - Mating0.079" (2.00mm)Mounting Type0.079" (2.00mm)TerminationThrough HoleTerminationSolderFastening TypePush-PullContact Finish - MatingGoldContact Finish Thickness - MatingBlackInsulation Color0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                       | Number of Positions               | 16                                                            |
| Number of Rows2Row Spacing - Mating0.079" (2.00mm)Mounting TypeThrough HoleTerminationSolderFastening TypePush-PullContact Finish - MatingGoldContact Finish Thickness - MatingJµin (0.08µm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                                                | Number of Positions Loaded        | All                                                           |
| Row Spacing - Mating0.079" (2.00mm)Mounting TypeThrough HoleTerminationSolderFastening TypePush-PullContact Finish - MatingGoldContact Finish Thickness - MatingJµin (0.08µm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                                                               | Pitch - Mating                    | 0.079" (2.00mm)                                               |
| Mounting TypeThrough HoleTerminationSolderFastening TypePush-PullContact Finish - MatingGoldContact Finish Thickness - MatingJuin (0.08µm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Number of Rows                    | 2                                                             |
| TerminationSolderFastening TypePush-PullContact Finish - MatingGoldContact Finish Thickness - MatingJµin (0.08µm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Row Spacing - Mating              | 0.079" (2.00mm)                                               |
| Fastening TypePush-PullContact Finish - MatingGoldContact Finish Thickness - Mating3μin (0.08μm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Mounting Type                     | Through Hole                                                  |
| Contact Finish - MatingGoldContact Finish Thickness - Mating3µin (0.08µm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Termination                       | Solder                                                        |
| Contact Finish Thickness - Mating3μin (0.08μm)Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Fastening Type                    | Push-Pull                                                     |
| Insulation ColorBlackInsulation Height0.510" (12.95mm)Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Contact Finish - Mating           | Gold                                                          |
| Insulation Height 0.510" (12.95mm)   Contact Length - Post 0.340" (8.64mm)   Operating Temperature -55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Contact Finish Thickness - Mating | 3µin (0.08µm)                                                 |
| Contact Length - Post0.340" (8.64mm)Operating Temperature-55°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Insulation Color                  | Black                                                         |
| Operating Temperature $-55^{\circ}C \sim 125^{\circ}C$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Insulation Height                 | 0.510" (12.95mm)                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Contact Length - Post             | 0.340" (8.64mm)                                               |
| Matarial Flammability Pating UI 04 V 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Operating Temperature             | -55°C ~ 125°C                                                 |
| UL94 V-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Material Flammability Rating      | UL94 V-0                                                      |

| Contact Finish - Post  | Tin            |
|------------------------|----------------|
| Mated Stacking Heights | -              |
| Ingress Protection     | -              |
| Features               | -              |
|                        | Report errors? |





#### **Quality Guarantees**

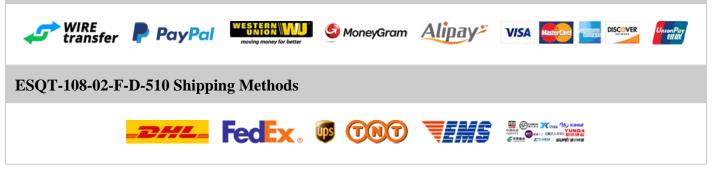
We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

## ESQT-108-02-F-D-510 Payment Methods



If you have any question about ESQT-108-02-F-D-510, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com