

APPROVAL SHEET

To :

Customer P/N :

UDE P/N : SQ01-ZZ-0001

Description : QSFP+ Connector
Right Angle;SMT
Contact Area : 15μ" Gold
Packing with Tape Reel



Spec No.	Update Date	Revision
SQ0119001-00	2020/10/9	B

Approved	Checked	Prepared



湧德電子 股份有限公司
UDE Corp.

桃園市(33852) 蘆竹區內溪路 68 巷13號

No.13, Ln. 68, Neixi Rd., Luzhu Dist., Taoyuan City (33852), Taiwan

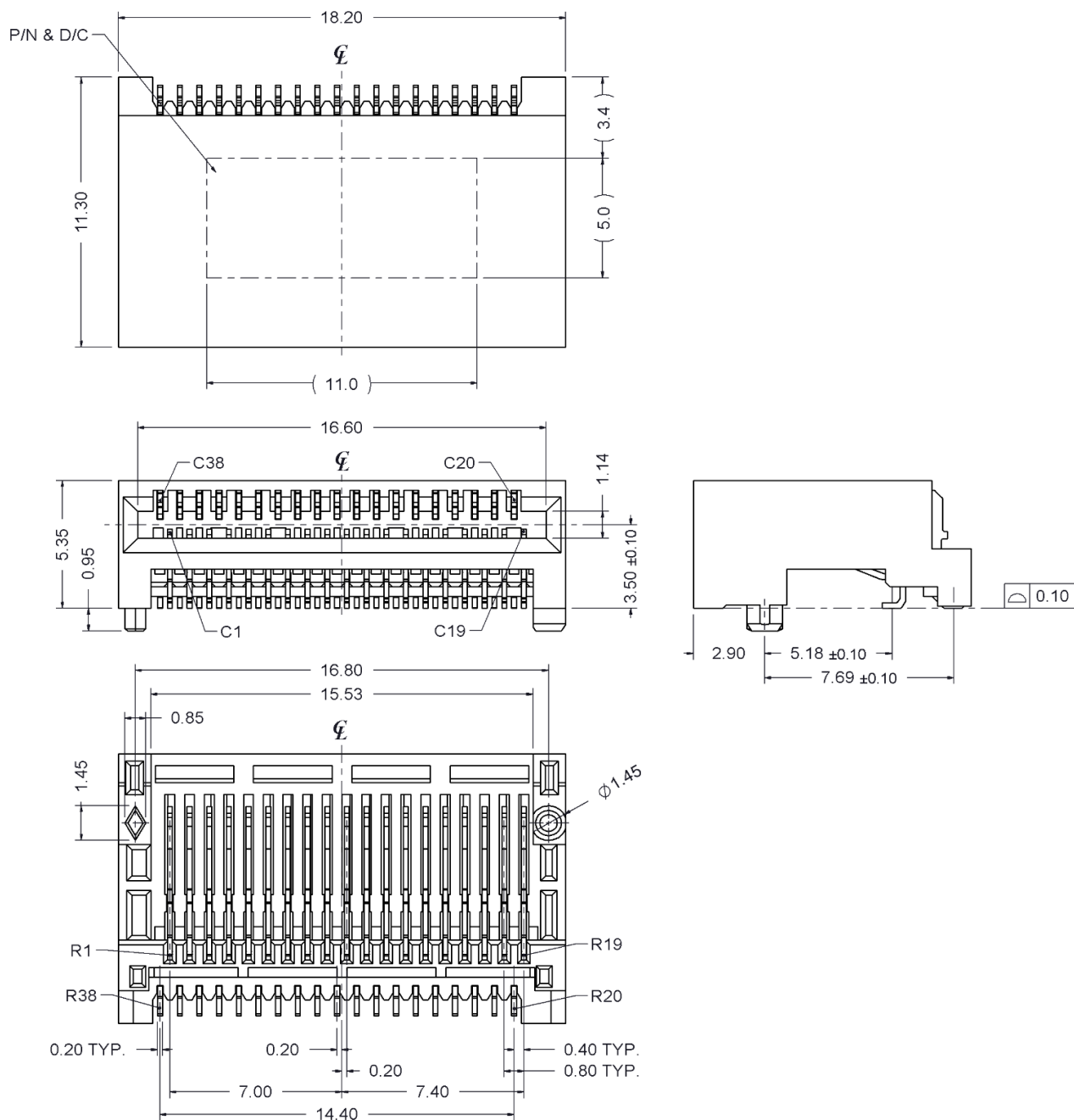
TEL: 886-3-3242000 FAX: 886-3-3246611

<http://www.ude-corp.com/>

1. MECHANICAL DIMENSION

1.1 Product Dimension

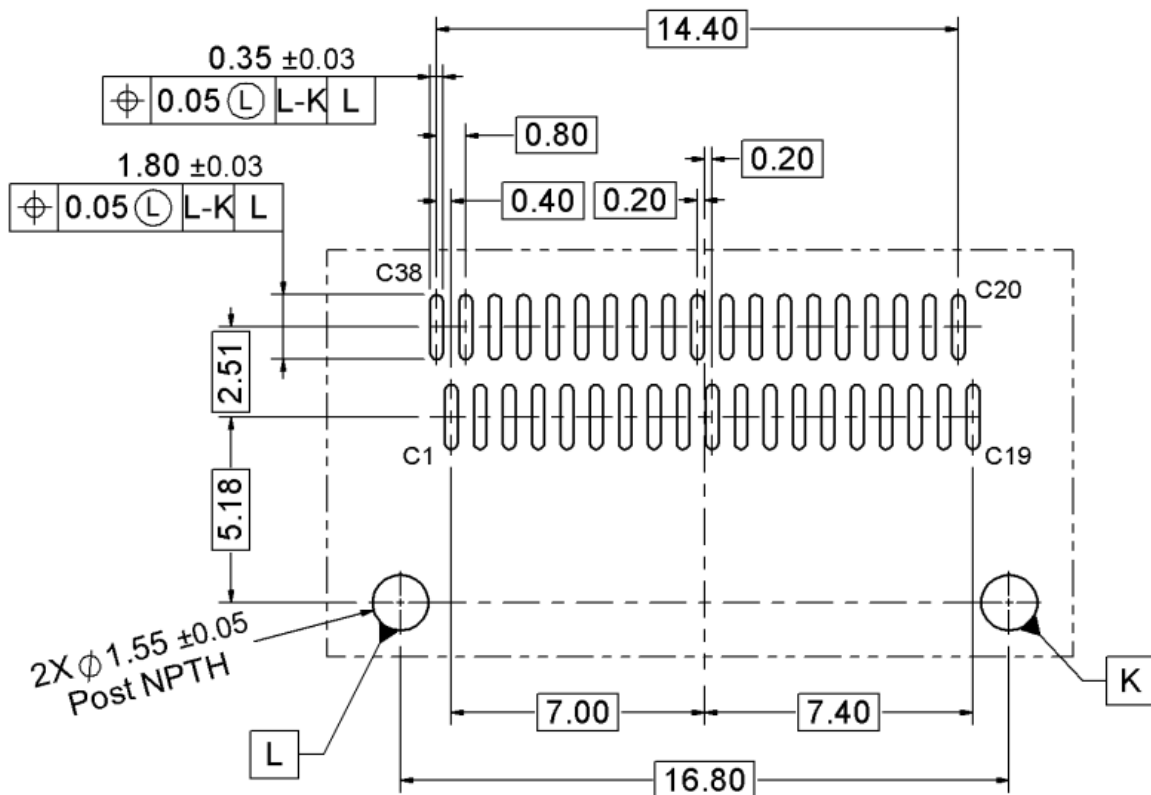
General Tolerance : X.X : ± 0.25
X.XX : ± 0.13



1.2 Recommended PCB Layout

Component Side of Board

All dimension tolerances are $\pm 0.05\text{mm}$ unless otherwise specified



1.3 Packing Information

450 pcs finished goods per reel

8 carries (3600 pcs finished goods) per box

2. REQUIREMENTS

2.1 Design and Construction

Product shall be of design, construction and physical dimensions specified on applicable.

2.2 Material

2.2.1 Terminal Parts (Underplating : 50μ" min. Nickel overall)

2.2.1.1 Terminal : PH. Bronze, Thickness=0.20mm

Finish : Contact Area : 15μ" Gold

Solder Tail : 120μ" min. Matte Tin

2.2.2 Plastic Parts

2.2.2.1 Housing : LCP, Black <UL94V-0>

2.3 Operating and Storage Temperature

Operating Temperature : -40°C to +85°C

Storage Temperature : -20°C to +85°C

2.4 QSFP+ 4X Connector specifications

Contact Current Rating: 0.5A (per contact)

Insulation Resistance 1000MΩ min.

Dielectric Withstanding Voltage : 300VDC @1min.

Insertion force : 60N MAX.

Extraction force : 30N MAX.

Durability : 100 cycles MIN.

2.5 Performance and Test Description

Product is designed to meet electrical, mechanical and environmental performance requirements specified in below table. All tests are performed at ambient environmental conditions per MIL-STD-1344A and EIA-364 unless otherwise specified.

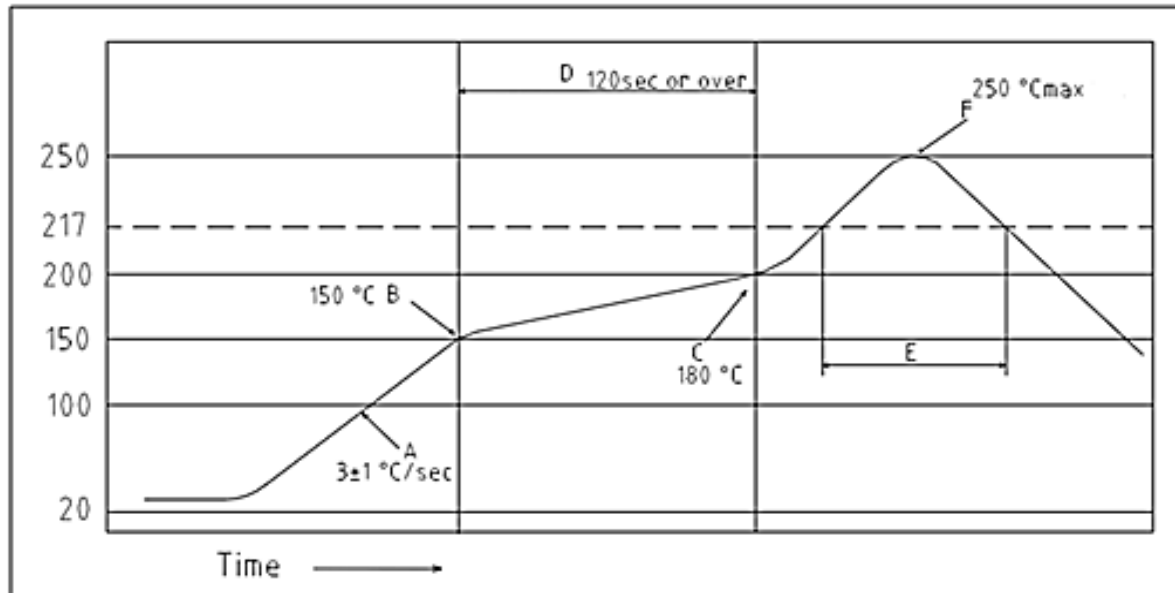
2.6 Packaging and Packing

All parts shall be packaged and packed to protect against physical damage, corrosion and deterioration during shipment and storage.

3. IR REFLOW TEMPERATURE PROFILE

Temperature condition of reflow soldering

Contents	Soldering Condition
A: Increasing speed	3 ± 1 °C/sec
B: Pre-heat starting Temp	150 °C
C: Pre-heat ending Temp	180 °C
D: Pre-heat interval	120 sec or over
E: Over 217 °C time	60 ~ 150 sec
F: Peak Temperature	250 °C max



Type of lead-free solder should be 96.5Sn-3.0Ag-0.5Cu or 99.3Sn-0.7Cu.

4. Revision History

[illegible]