



19" Touchscreen Kit capacitive

Art.Nr.:

302.4619xx

General Description

Size	19"
Glass Thickness	2.8mm ±10% typical (glass only, not including tape, wires and solder if used)
Input Methode	Finger
Tail	FPC
Tail Exit	12:00
Connector	5-pin housing with latch

Specification

Accuracy	Max 1% error of reported position in recommended precision area (diagonal & after 25-point calibration)
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Operation Characteristic

Operating Temperature (sensor only)	-15°C to 70°C
Storage Temperature (sensor only)	-40°C to 85°C

Optical

Light Transmittance	93%±2% per ASTM D1003
Haze (AG)	≤7%
Gloss R'60 (AG type)	110±20GU

Inspect specification

Opaque Anomaly	Circular ≤1mm Linear ≤6.35 x 0.25mm (totally not over 5 of anomalies / panel)
Translucent Anomaly	Circular ≤1,7mm Linear ≤25,4 x 0.25mm (totally not over 5 of anomalies / panel)

Optional

302.461900	USB interface
302.461910	RS232 interface

Reliability

High Temperature Test	80°C / 168hrs
Low Temperature Test	-40°C / 120hrs
High Humidity Test	60°C / 93%±2% / 240hrs
Thermal Shock Test	85°C / 30 min ↔ 50°C / 30min 41 cycles

Chemical Resistance	Soak 15min, fit accuracy and external appearance specification (Follow ASTM F1598-95, ASTM D 1308-87)
Static Pressure Test	>5Kgw/cm ² (Follow ASTM C147-86(2000))
Peel Resistance of FPC	>5Kgw, FPC tail solder on electrode pattern

Durability

Abrasion Test	Fit accuracy specification (Follow MIL-C-675C)
Adhesion Test	No deterioration, Tape test (Follow ASTM D3359)
Surface Scratch Hardness	More than 9H per ASTM-D3363

Agency Approval

FCC part 15, class B	Compliant when used in conjunction with a properly grounded controller.
CE compliance	Compliant when used in conjunction with a properly grounded controller.

