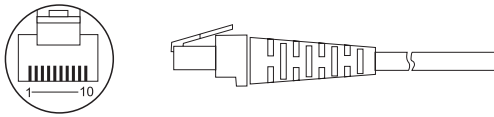


## 2. Cables change, Pin out and Availability:

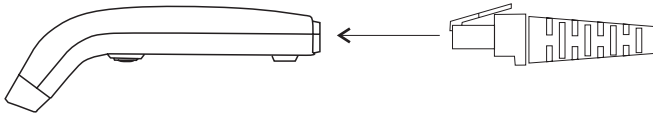
The electrical characteristic of interface depends on the actual selected host communication interface with matched cable.

### 1. Cable change procedure

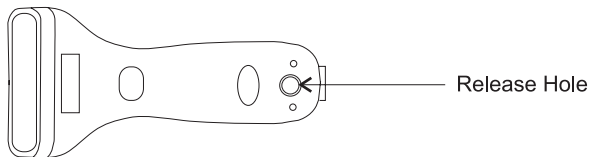
1) Connector Form Factor: 10P RJ-45 Phone Jack



2) The phone-jack connector is plug-in and detached from the connector easily.

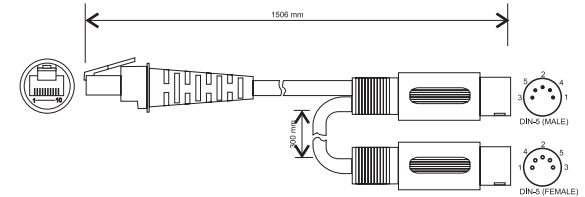


3) The phone-jack plug can be easily detached from the scanner, by way of inserting a pin or needle into the tiny hole, located at the rear side of scanner.

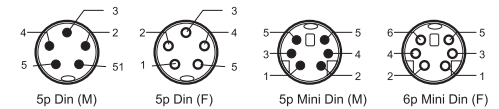


### 2. Cables' pinout and availability

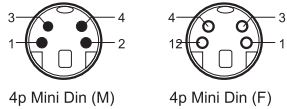
a. Keyboard Wedge Type Cables and Pin Assignments:



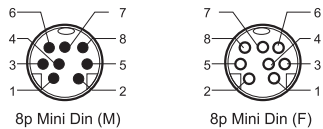
IBM PC, XT, AT & PS/2				
Function	5p Din(M)	5p Din(F)	6p Mini Din(M)	6p Mini Din(F)
Clock (Host)	1	---	5	---
Data (Host)	2	---	5	---
Clock (KBD.)	---	1	---	5
Data (KBD.)	---	2	---	1
Ground	4	4	3	3
GND Shield	4	4	3	3
VCC (+5V)	5	5	4	4



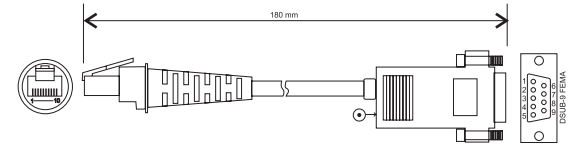
Macintosh		
Function	4p Mini Din(M)	4p Mini Din(F)
RST (Host)	2	2
Data (Host)	1	1
Ground	4	4
GND Shield	4	4
VCC (+5V)	3	3



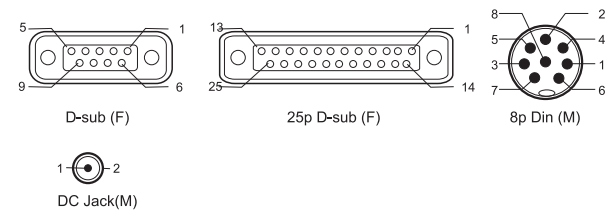
NEC 98XX Series		
Function	8p Mini Din(M)	8p Mini Din(F)
Ready (Host)	3	—
Data (Host)	4	—
Reset (Host)	1	1
Retry (Host)	5	5
Ready (KBD.)	—	3
Data (KBD.)	—	4
Ground	2	2
GND Shield	2	2
VCC (+5V)	8	8



## 2. RS-232 type Cables & Assignment:

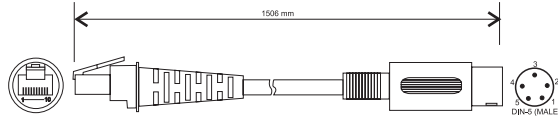


RS-232C				
Function	9p D-Sub(F)	25p D-Sub(F)	8p Din(M)	DC Jack(M)
T x D	2	3	1	—
R x D	3	2	2	—
RTS	8	5	3	—
CTS	7	4	4	—
Shorted	4,6	6,20	—	—
Ground	5	7	7	2
GND Shield	5	7	7	2
VCC (+5V)	9	25	8	1

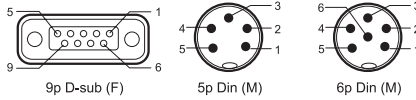


### 3. Specifications

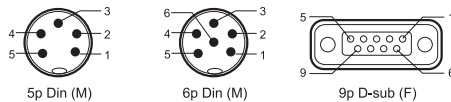
#### 3. WAND Emulation, TTL (CMOS) Cables and pin Assignment:



Wand Emulation			
Function	9p D-Sub(F)	5p Din(M)	6p Din(M)
Data	2	2	2
Ground	7	3	3
GND Shield	8	3	3
VCC (+5V)	9	1	1



TTL (C-MOS)			
Function	5p D-Sub(M)	6p Din(M)	9p Din(F)
Start of Scan	--	6	1
Data	2	2	2
Indicator	--	--	3
Trigger	5	5	5
Enable	4	4	6
Ground	3	3	7
GND Shield	3	3	8
VCC (+5V)	1	1	1



- Interface** : TTL, Wand Emulation, RS-232, RS-232/K.B. Wedge, RS-232/K.B. Wedge/Wand Emulation, OCIA, etc.
- Processor** : 80C31 for decoded model.
- Operation Speed** : 14.74Mhz
- Supply Voltage** : DC5V± 5%
- Scan Rate** : 33 Scan/sec.
- Output Voltage(Typ.):** +5V
- Output Low Voltage** : 0.4V for TTL, 130mA for Wand Emulation (max.) RS-232, K.B. Wedge and OCIA. Power consumption
- Power On (max.)** : 60mA for TTL, 130mA for Wand Emulation, RS-232, K.B. Wedge, OCIA
- Stand by (max.)** : 15mA for TTL, 60mA for Wand Emulation, RS-232, K.B. Wedge, OCIA
- Operation** : 55mA for TTL, 120mA for Wand Emulation, RS-232, K.B. Wedge, OCIA