



+VIN

GND

OPTO IN 0

OPTO OUT 0

HR10A-10P-12S(73)  
FEMALE CONNECTOR

HR10A-7P-6S(73)  
FEMALE CONNECTOR

POWER 12V/ 24V  
SM 2 PIN MALE CONNECTOR

CAMERA INPUT  
SM 3 PIN FEMALE CONNECTOR

CAMERA OUTPUT  
SM 3 PIN MALE CONNECTOR

**PIN DIAGRAM HIROSE 12 PIN [HR10A-10P-12S(73)]**

| HIROSE 12 PIN | CABLE COLOUR  | INT. CONTROLLER |
|---------------|---------------|-----------------|
| 1             | BLACK (GND)   | GND             |
| 2             | RED (24V)     | +VIN            |
| 3             | BLUE          | OPTO OUT 3      |
| 4             | BLUE RED LINE | OPTO IN 0       |
| 5             | BROWN         | OPTO OUT 2      |
| 6             | YELLOW        | OPTO OUT 0      |
| 7             | PURPLE        | OPTO REF GND    |
| 8             | PINK          | RS232 RX        |
| 9             | GREY          | RS232 TX        |
| 10            | PINK RED LINE | OPTO REF V+     |
| 11            | GREEN         | OPTO IN 1       |
| 12            | WHITE         | OPTO OUT 1      |

**PIN DIAGRAM HIROSE 6 PIN [HR10A-7P-6S(73)]**

| HIROSE 6 PIN | CABLE COLOUR              | INT. CONTROLLER    |
|--------------|---------------------------|--------------------|
| 1            | BLACK + PURPLE (GND)      | GND + OPTO REF GND |
| 2            | RED + PINK RED LINE (24V) | +VIN + OPTO REF V+ |
| 3            | BLUE RED LINE             | OPTO IN 0          |
| 4            | YELLOW                    | OPTO OUT 0         |
| 5            | PINK                      | RS232 RX           |
| 6            | GREY                      | RS232 TX           |

|              |            |                  |          |         |
|--------------|------------|------------------|----------|---------|
| CONTRACT NO. |            | COMPANY NAME     |          |         |
|              |            | TMS LITE SDN BHD |          |         |
| APPROVALS    | DATE       | DWG LC-21-1CH-OE |          |         |
| DRAWN        | 12/12/2024 | SIZE             | FSCM NO. | DWG NO. |
| CHECKED      | KOK WAH    | c                |          | REV     |
| ISSUED       | YEE CHING  | SCALE            |          | SHEET   |