

CFAF320240F Series Connections

| Label | Pin | 6800 – 8 Bit | 6800 – 9 Bit | 6800 – 16 Bit | 6800 – 18 bit | 8080 – 8 Bit | 8080 – 9 Bit | 8080 -16 Bit | 8080 – 18 Bit | SPI – 4 Wire | SPI – 3 Wire |
|-------|-----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------|--------------------|
| Vss | 1 | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground |
| NC | 2 | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect |
| NC | 3 | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect |
| Vss | 4 | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground |
| Vss | 5 | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground |
| Vss | 6 | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground |
| RD | 7 | Enable | Enable | Enable | Enable | Read Strobe | Read Strobe | Read Strobe | Read Strobe | No Connect | No Connect |
| SDO | 8 | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | Data Output | Data Output |
| Reset | 9 | Chip Reset | Chip Reset | Chip Reset | Chip Reset | Chip Reset | Chip Reset | Chip Reset | Chip Reset | Chip Reset | Chip Reset |
| CS | 10 | Chip Select | Chip Select | Chip Select | Chip Select | Chip Select | Chip Select | Chip Select | Chip Select | Serial Chip Select | Serial Chip Select |
| SCL | 11 | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | Serial Clock Input | Serial Clock Input |
| SDA | 12 | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | Data Input | Data Input |
| RS | 13 | Data / Command | Data / Command | Data / Command | Data / Command | Data / Command | Data / Command | Data / Command | Data / Command | Serial Data / Command | No Connect |
| RW | 14 | Read / Write | Read / Write | Read / Write | Read / Write | Write / Read | Write / Read | Write / Read | Write / Read | No Connect | No Connect |
| PS3 | 15 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
| PS2 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| PS1 | 17 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| PS0 | 18 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| DB17 | 19 | x | x | x | x | x | x | x | x | NC or Gnd | NC or Gnd |
| DB16 | 20 | x | x | x | x | x | x | x | x | NC or Gnd | NC or Gnd |
| DB15 | 21 | x | x | x | x | x | x | x | x | NC or Gnd | NC or Gnd |
| DB14 | 22 | x | x | x | x | x | x | x | x | NC or Gnd | NC or Gnd |
| DB13 | 23 | x | x | x | x | x | x | x | x | NC or Gnd | NC or Gnd |
| DB12 | 24 | x | x | x | x | x | x | x | x | NC or Gnd | NC or Gnd |
| DB11 | 25 | x | x | x | x | x | x | x | x | NC or Gnd | NC or Gnd |
| DB10 | 26 | x | x | x | x | x | x | x | x | NC or Gnd | NC or Gnd |
| DB9 | 27 | NC or Gnd | x | NC or Gnd | x | NC or Gnd | x | NC or Gnd | x | NC or Gnd | NC or Gnd |
| DB8 | 28 | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd |
| DB7 | 29 | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd |
| DB6 | 30 | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd |
| DB5 | 31 | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd |
| DB4 | 32 | NC or Gnd | NC or Gnd | NC or Gnd | x | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd |
| DB3 | 33 | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd |
| DB2 | 34 | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd |
| DB1 | 35 | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd | x | x | NC or Gnd | NC or Gnd |
| DB0 | 36 | NC or Gnd | NC or Gnd | NC or Gnd | x | NC or Gnd | NC or Gnd | NC or Gnd | x | NC or Gnd | NC or Gnd |
| DEN | 37 | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect |
| HSYNC | 38 | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect |
| VSYNC | 39 | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect |
| CDCLK | 40 | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect |
| NC | 41 | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect |
| Vss | 42 | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground |
| Vss | 43 | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground | Ground |
| Vcc | 44 | +3v | +3v | +3v | +3v | +3v | +3v | +3v | +3v | +3v | +3v |
| Vcc | 45 | +3v | +3v | +3v | +3v | +3v | +3v | +3v | +3v | +3v | +3v |
| NC | 46 | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect | No Connect |
| K2 | 47 | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - |
| A2 | 48 | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + |
| A1 | 49 | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + | Backlight + |
| K1 | 50 | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - | Backlight - |
| Label | Pin | 6800 – 8 Bit | 6800 – 9 Bit | 6800 – 16 Bit | 6800 – 18 bit | 8080 – 8 Bit | 8080 – 9 Bit | 8080 -16 Bit | 8080 – 18 Bit | SPI – 4 Wire | SPI – 3 Wire |