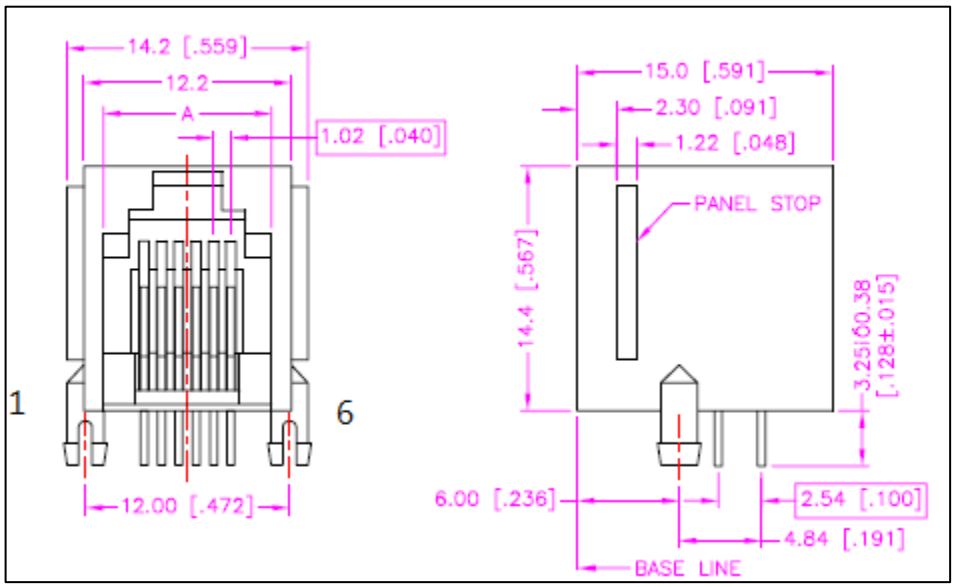
CORE-87 System Cash Drawer Port Description

WARNING: This guide is **ONLY** applicable for model: Core-87

Part A. Connector Type and Pin Assignment



1	GND	
2	Cash Drawer 2	[Digital Output]
3	+24V	
4	Drawer OPEN/CLOSE Signal	[Digital Input]
5	Cash Drawer 1	[Digital Output]
6	GND	

Part B. Port Address

Drawer1		Drawer2	
Read (input)	**Write (output)**	**Read (input)**	**Write (output)**
GPIO15	GPIO24	GPIO15	GPIO28

Part C. Testing Cash Drawer Port

C-1: Reading Cash Drawer Port Status

To test in DOS enviornment, use Debug.exe:
-i 1c0d (Enter)

Value	Status for cash Drawers
FEh	All connected cash drawers are closed
7Eh	Either one of cash drawers is opened, or all cash drawers are opened

C-2: Reading Cash Drawer Port Status

To test in DOS enviornment, use Debug.exe:
-o 1c0f xxx (Enter, "xxx" refer to table below)
-o 1c0f EE Return cash drawer to proper state

xxx	Status for cash Drawers
EEh	Close all drawers
EFh	Open Drawer 1
FEh	Open Drawer 2

Part D. Sample Code

D-1: How to Check Cash Drawer Port Status

```
VOID Main()
{
	INT Status = 0;

	Status = GetCashdrawerStatus();
	if(Status == 0x1)
	{
		printf("Current Cash Drawer is closed. \n");
	}
	if(Status == 0x0)
	{
		printf("Current Cash Drawer is opened. \n");
	}
}

INT GetCashdrawerStatus (VOID)
{
	INT Value = 0;
	Value = IORead(0x1C0D) & 0x80; // Read Cash status
	Value = Value >> 7;
	return Value;
}
```

D-2: How to Open Cash Drawer:

```
VOID Main()
{
        OpenCashDrawer1();
        OpenCashDrawer2();
}
VOID OpenCashDrawer1 (VOID)
{
        INT Value = 0;
        Value = IORead(0x1C0F); // Read GPIO value
        Value |= 0x01; // Set GPIO value for opening drawer 1
        IOWrite(0x1C0F, Value); // Write GPIO value
        Value &= 0xFE; // Set GPIO value for returning drawer 1 to proper state
        IOWrite(0x1C0F, Value); // Write GPIO value
}
VOID OpenCashDrawer2 (VOID)
{
        INT Value = 0;
        Value = IORead(0x1C0F); // Read GPIO value
        Value |= 0x10; // Set GPIO value for opening drawer 2
        IOWrite(0x1C0F, Value); // Write GPIO value
        Value &= 0xEF; // Set GPIO value for returning drawer 2 to proper state
        IOWrite(0x1C0F, Value); // Write GPIO value
}
```

[End of Document]