



# Colorado Division of Gaming

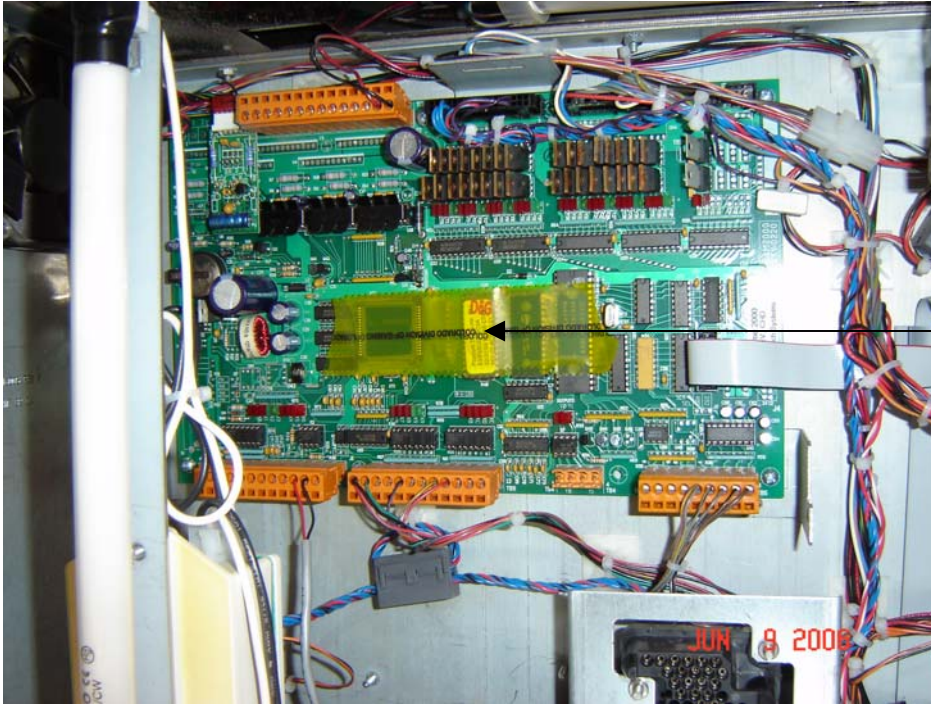
## Field Verification Manual

July 5, 2007  
Revision 3

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## A. C. Coin and Slot

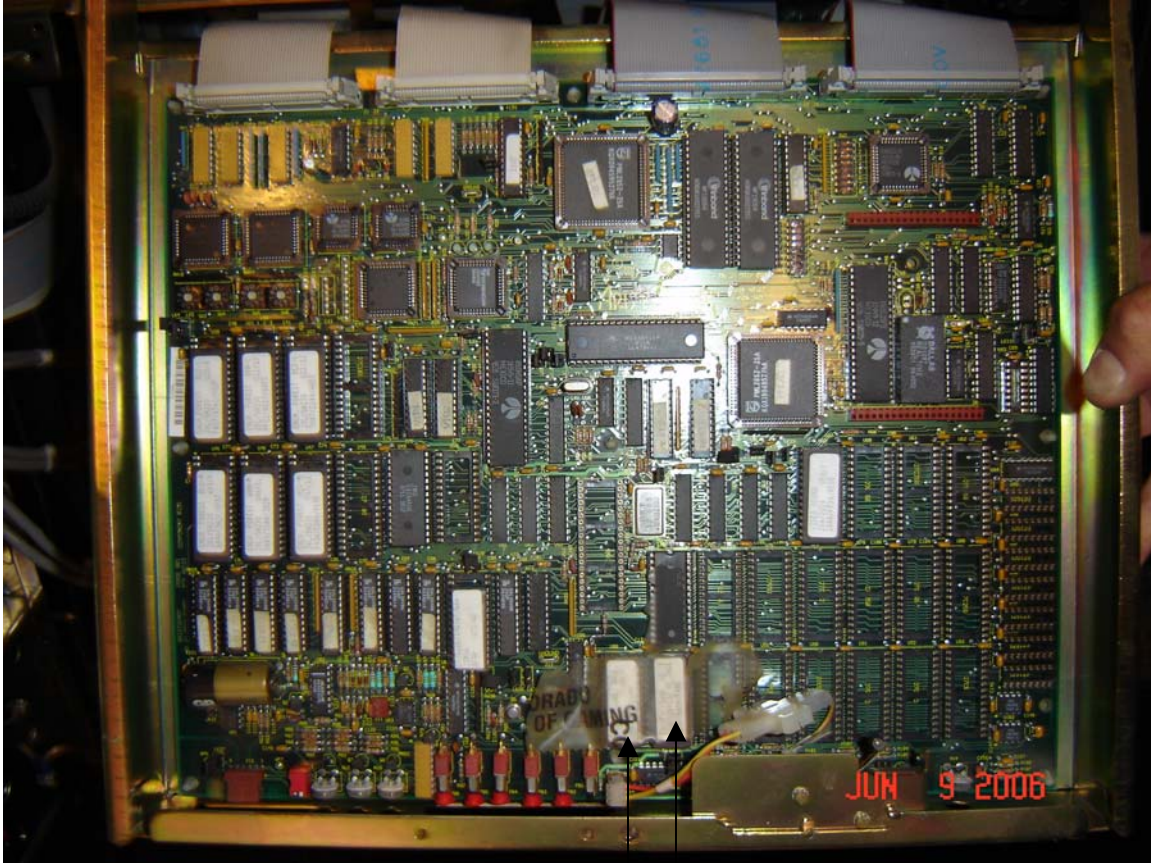


### *A.C. Coin and Slot Top Box*

#### Items to be Verified:

Item	Position	Additional Information
Main Program	U28	Main and Personality are stored in the same EPROM. ACS top box bonus program is to be used in conjunction with the IGT S2000 platform (main personality and version programs). It should be noted the percentage is split between the top box and the main program (i.e. 35% - 60%).

# ARISTOCRAT



## *ARISTOCRAT MARK IV*

### Items to be Verified:

Item	Position	Additional Information
Main Program	U86	
Personality	U87	

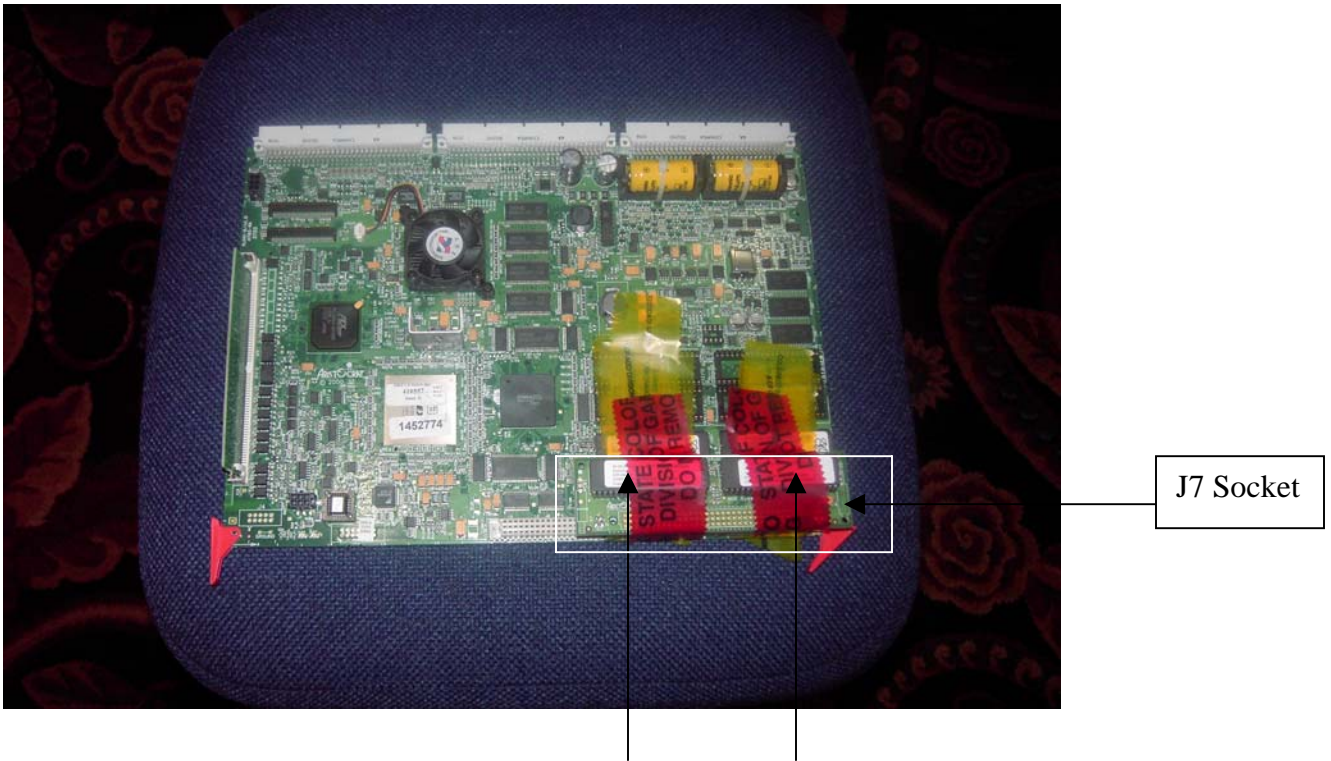


**ARISTOCRAT MARK**

V

**Items to be Verified:**

Item	Position	Additional Information
Main Program	U7, U8, U9, U10, U11, U12, U13, &U14	Main program contains personality, graphics and sound. Not all programs will use all 8 EPROM sockets.



***ARISTOCRAT MARK VI w/Adaptor Board***

**Items to be Verified:**

<b>Item</b>	<b>Position</b>	<b>Additional Information</b>
<b>Main Program</b>	U70 & U83	U2 & U3 are utilized with System EPROM Adaptor Board P/N 410485
<b>Personality</b>	U71, U72, U73, U84, U85, U86	

The Mark VI platform has two possible configurations. The board was previously used with the Aristocrat EPROM adaptor board P/N 410485, which plugs into socket J7. The use of the adapter board is no longer necessary since Aristocrat’s migration to a new chip type. The adapter is also used with set chips to RAM clear and reconfigure the game since it disengages the Main Program EPROM’s in positions U70 and U83 when it is inserted into socket J7.

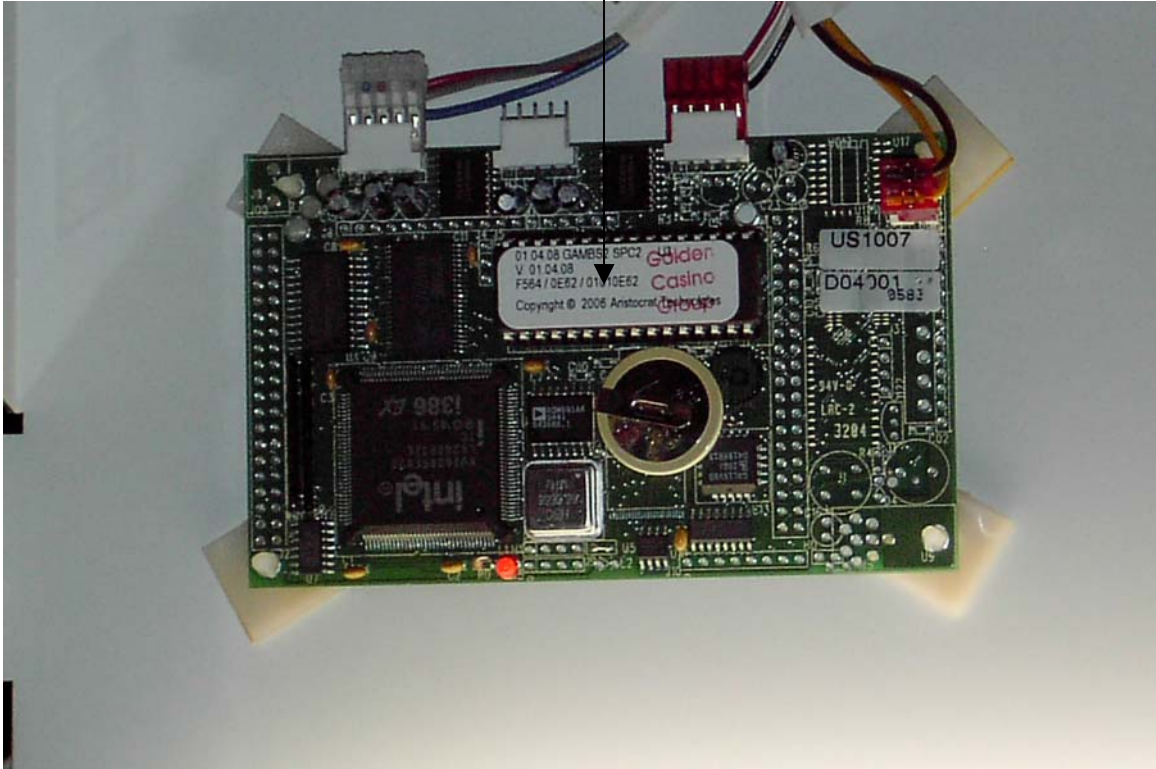


***ARISTOCRAT MARK VI w/out Adaptor Board***

**Items to be Verified:**

Item	Position	Additional Information
<b>Main Program</b>	U2 & U3	U70 & U83 are utilized without System EPROM Adaptor Board P/N 410485
<b>Personality</b>	U71, U72, U73, U84, U85, U86	



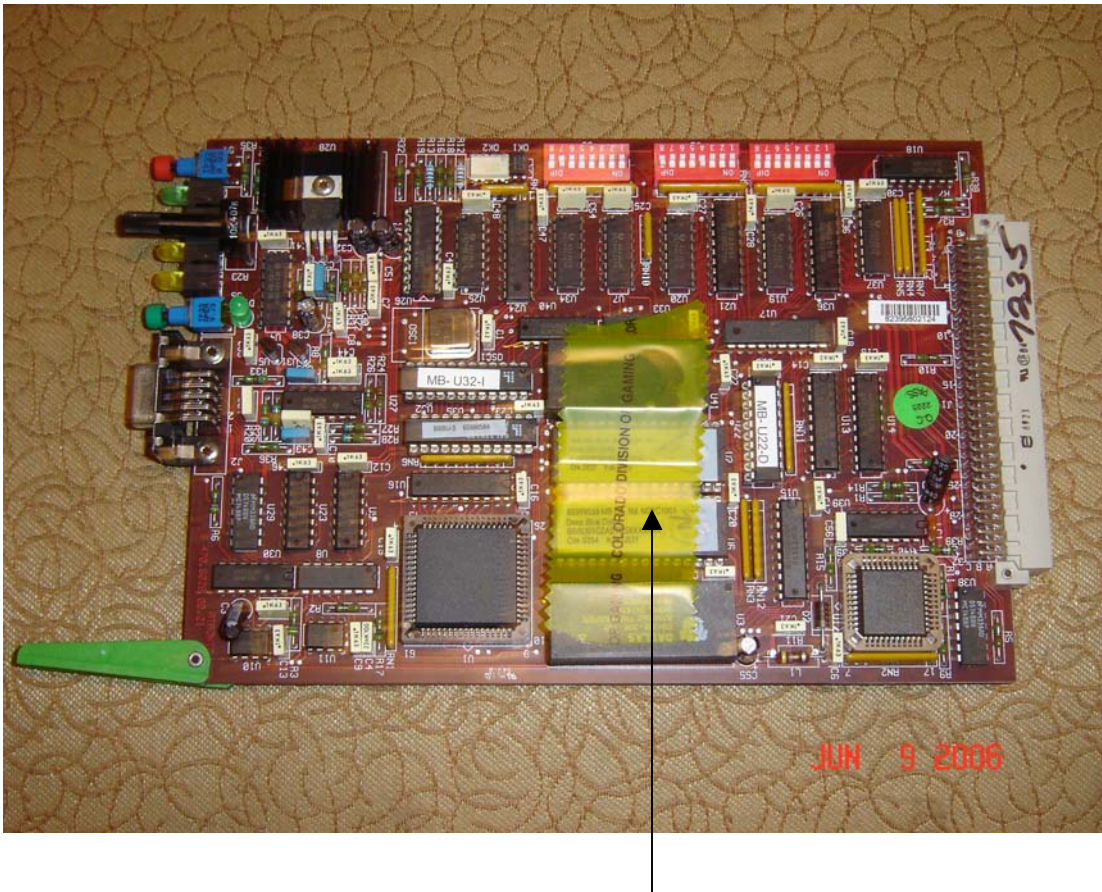


***ARISTOCRAT GAMBS2 (SPC) Communication board***

**Items to be Verified:**

Item	Position	Additional Information
Main Program	U3	GAMSAS Communication program

# ATRONIC



## *ATRONIC Cashline*

Items to be Verified:

Item	Position	Additional Information
Main Program	U2	
Personality	U6	

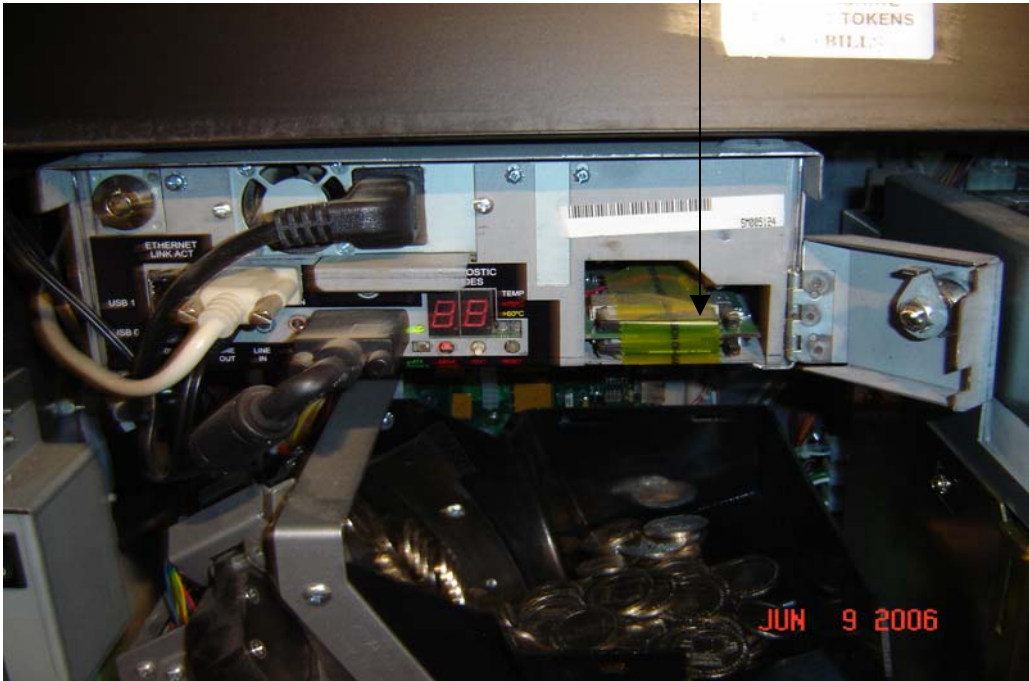


*ATRONIC E-motion/Hi(!)bility*

Items to be Verified:

Item	Position	Additional Information
Main Program	U5 & U6	
Personality	U9	
Game Program	U7 & U8	

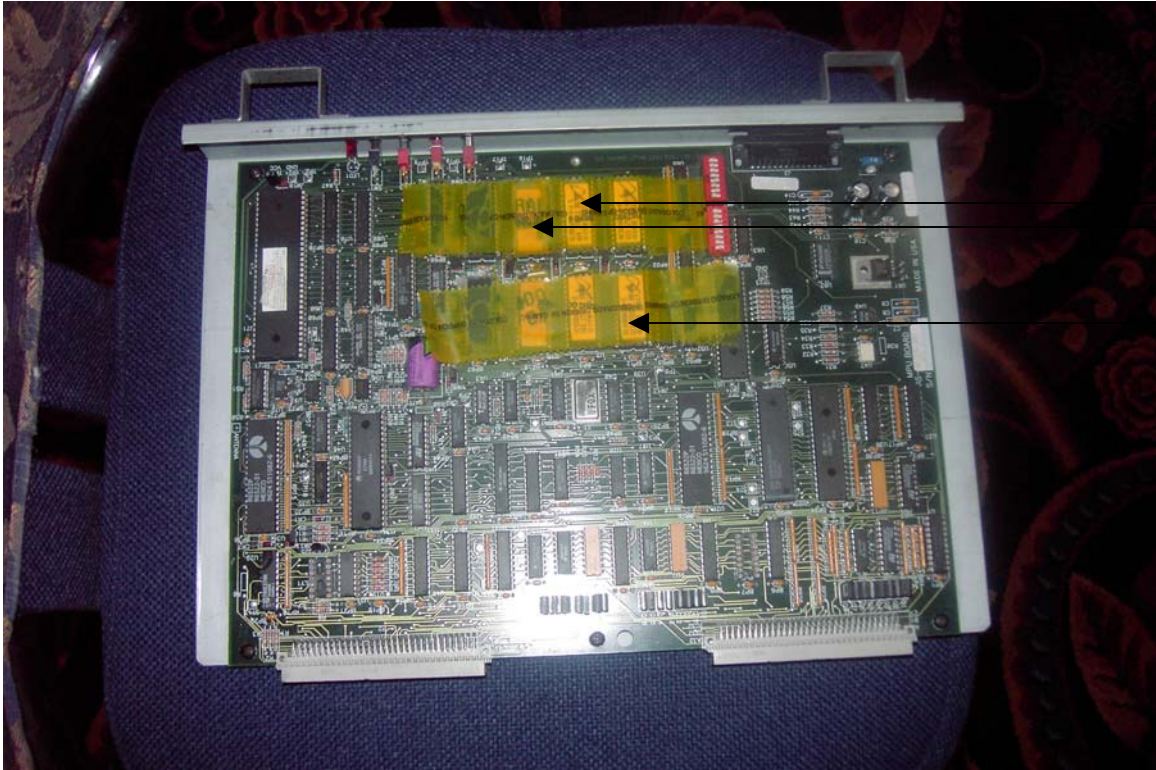
# BALLY



## *Bally (SDG) Alpha Platform*

### Items to be Verified:

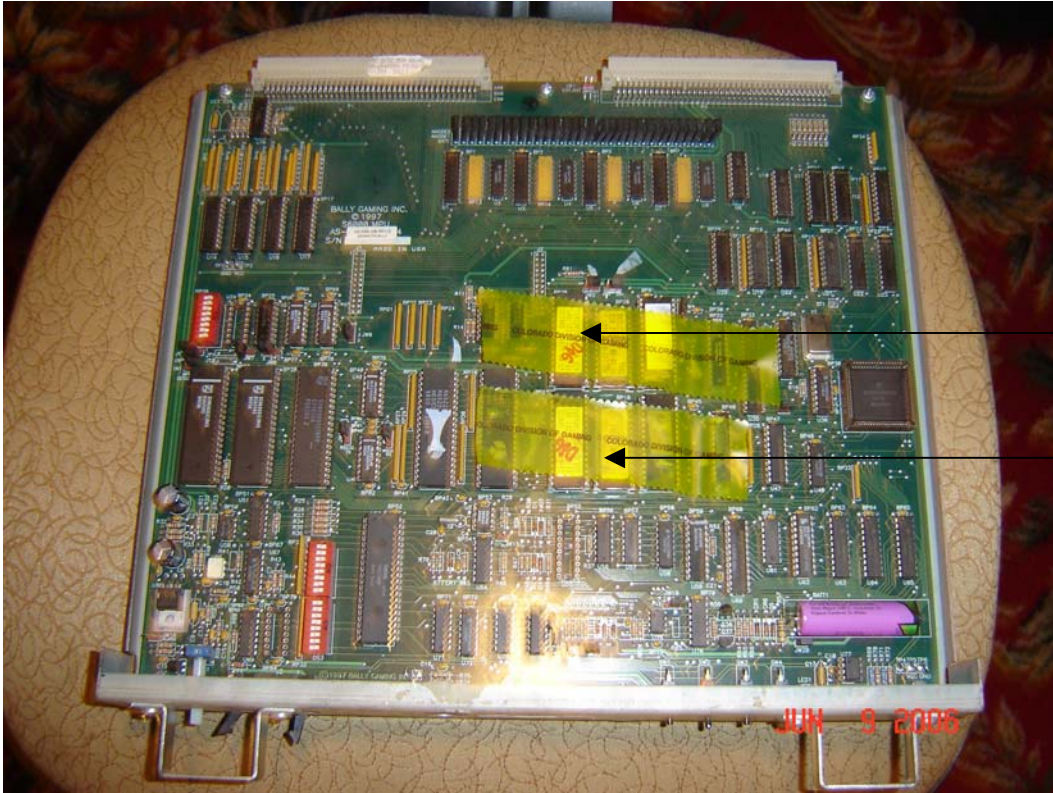
Item	Position	Additional Information
Main Program	J5	Compact flash card (Top)
Personality	J20	Compact flash card (Bottom)
Jurisdictional PROM	U37	Verify jurisdiction on screen of game.
BIOS	U16	



***Bally S5500 Reel Game***

**Items to be Verified:**

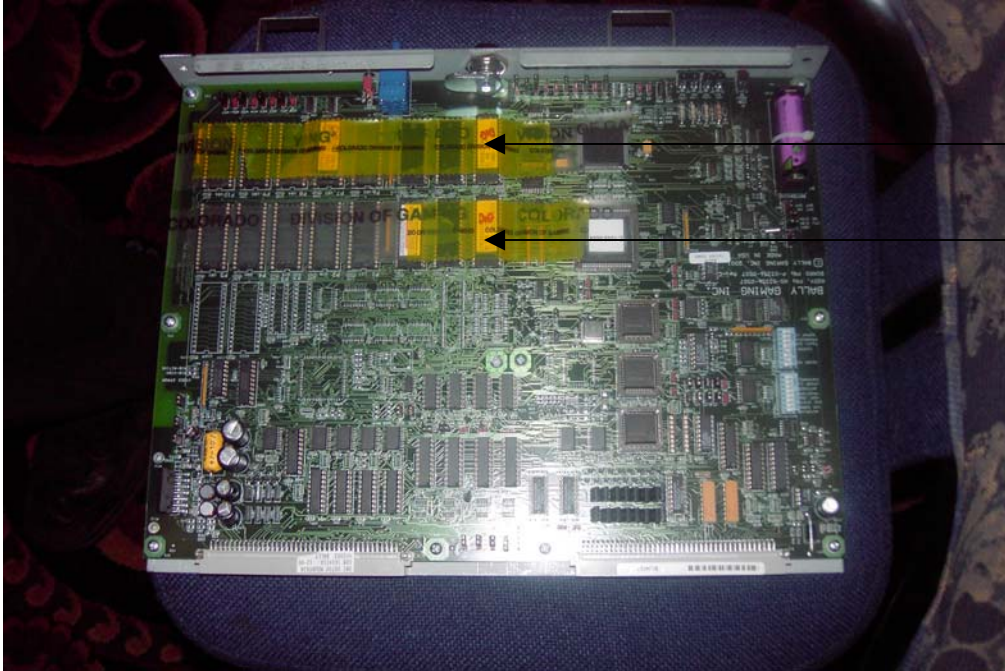
<b>Item</b>	<b>Position</b>	<b>Additional Information</b>
<b>Main Program</b>	U12 & U15	
<b>Personality</b>	U18 & U20	
<b>Supplements</b>	U3 & U4	



***Bally S6000 Reel Game***

**Items to be Verified:**

Item	Position	Additional Information
Main Program	U28 & U43	
Personality	U18 & U20	



***Bally S8700 (EVO)***

**Items to be Verified:**

Item	Position	Additional Information
Main Program	M0 & M1	
Personality	U83	
Graphics & Sound	CD / DVD-ROM	
Bios	U51	

# CDS

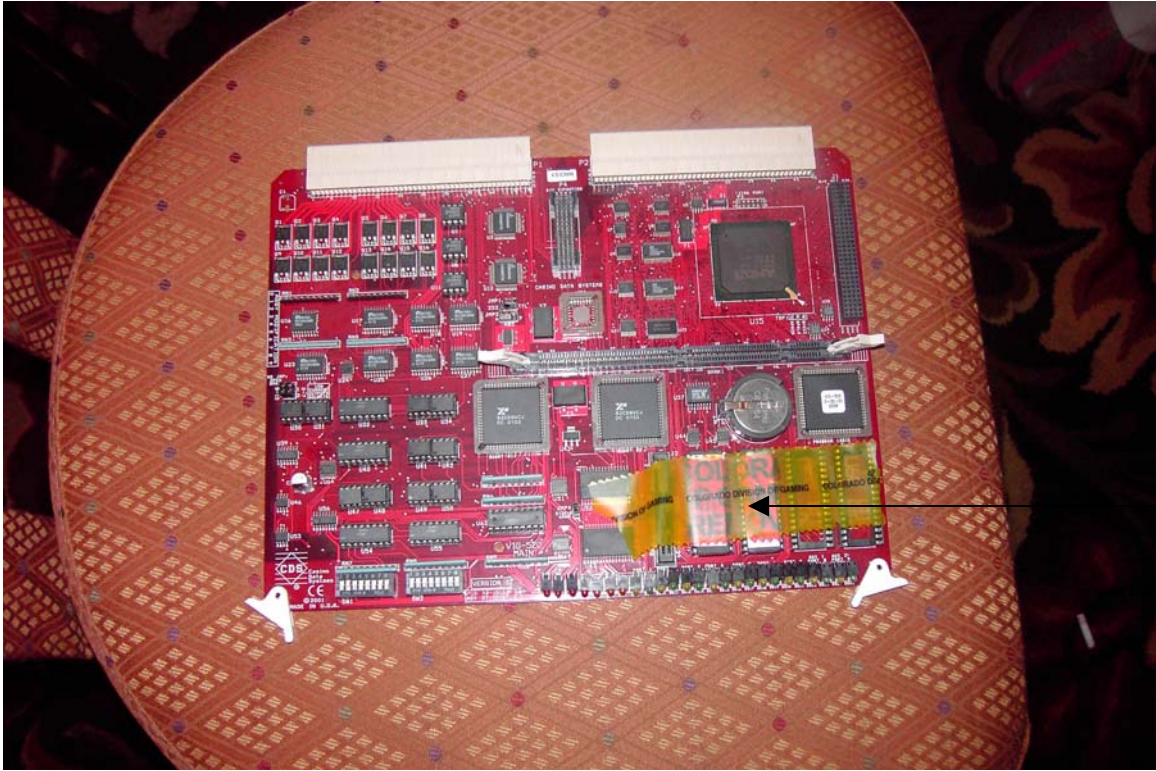


## *CDS Prolink*

### Items to be Verified:

Item	Position	Additional Information
Main Program	U21	



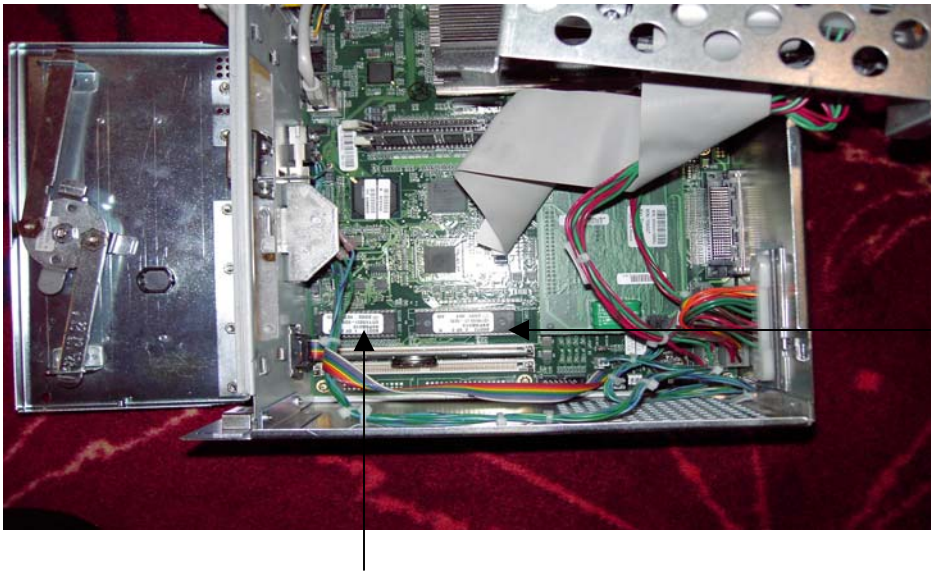
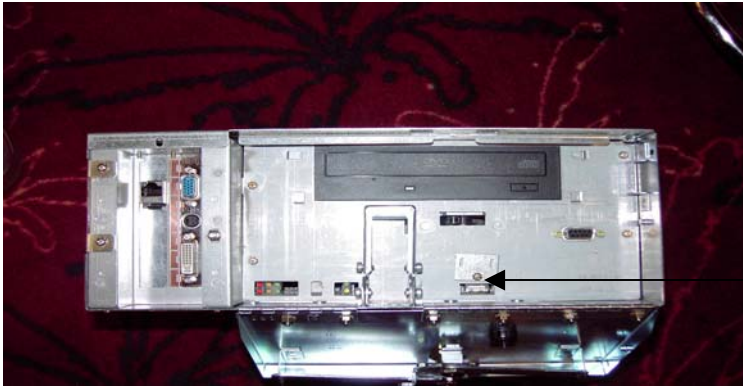


***CDS VIG - 520***

**Items to be Verified:**

<b>Item</b>	<b>Position</b>	<b>Additional Information</b>
<b>Main Program</b>	U57 & U58	Includes personality
<b>Birth Chips</b>	U57 & U58	Used for RAM Clear / Configuration

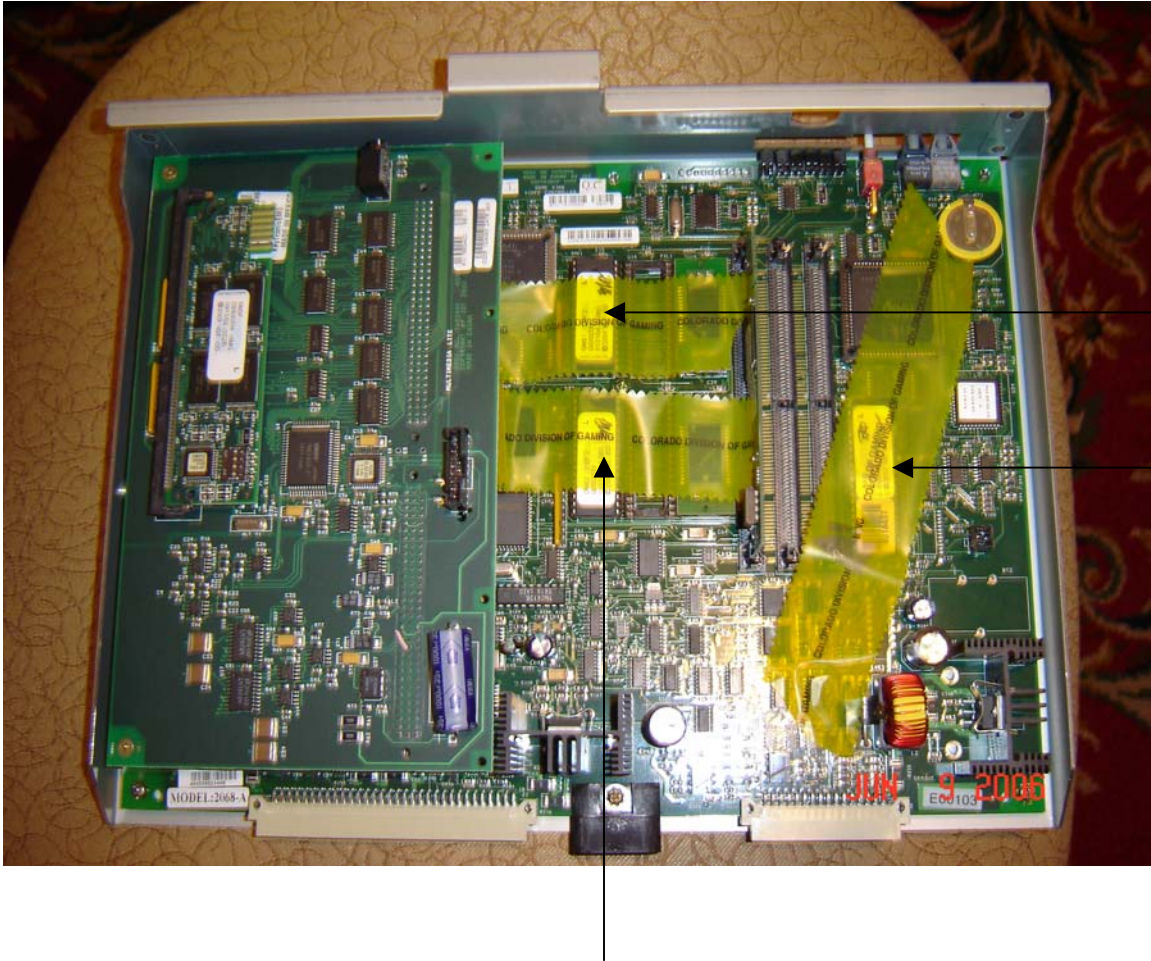
# IGT



## *IGT AVP*

### Items to be Verified:

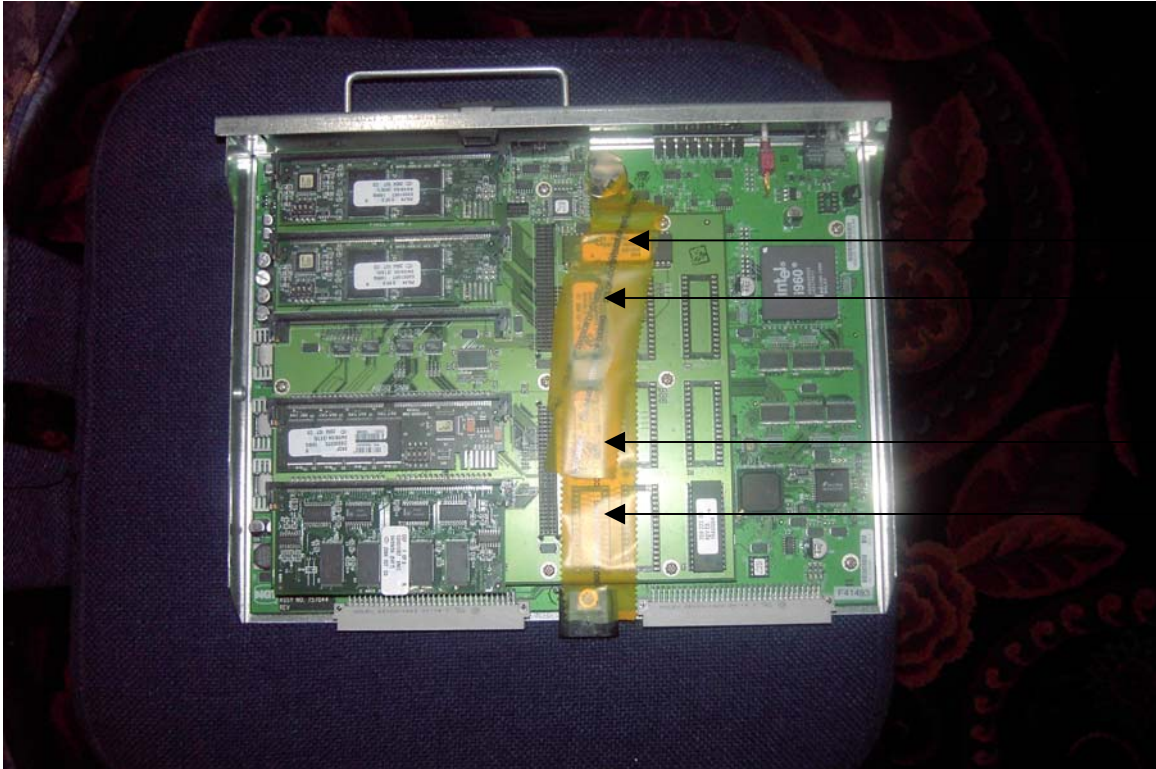
Item	Position	Additional Information
Main Program	Hard disk	Includes personality, sound and graphics. Write access to the hard disk is controlled by a USB port.
Boot PROMs	BOOT & BOOT2	Dependent on board revision



***IGT Game King***

**Items to be Verified:**

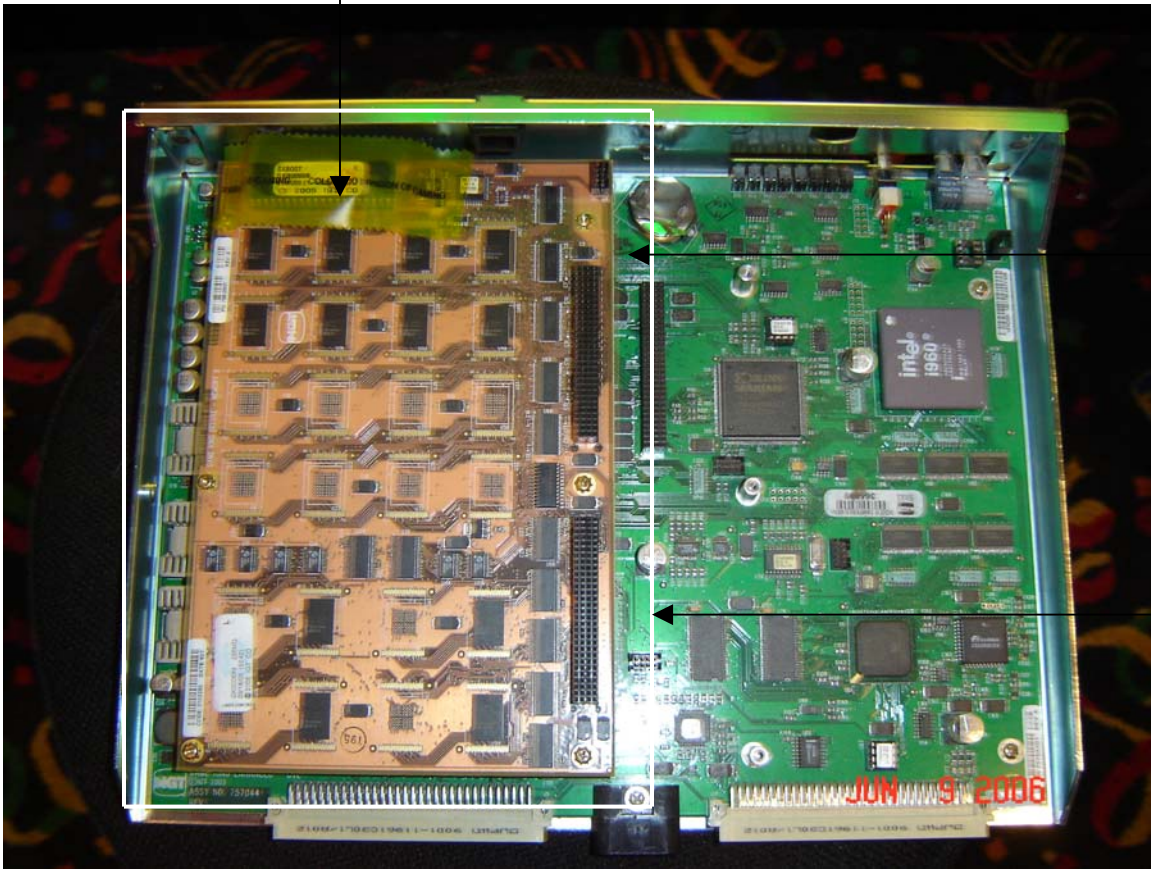
<b>Item</b>	<b>Position</b>	<b>Additional Information</b>
<b>Main Program</b>	U13, U36, U14, U37 (Also referred to as GME1, GME2, PXL1 & PXL2)	Most Main Programs are stored on only 2 GME chips that reside at U13 & U36, however larger programs may be stored on up to 4 GME chips, with the additional EPROMS residing at U14 & U37.
<b>Personality</b>	U39 (Also referred to as BASE)	Dependent on board revision



*IGT Game King Deluxe w/ Legacy Deluxe Memory 1 Board (Old Style G000xxx/I000xxx)*

**Items to be Verified:**

<b>Item</b>	<b>Position</b>	<b>Additional Information</b>
<b>Main Program</b>	U23 & U26 (additionally U25 & U27)	Seal U25 & U27 for Main programs consisting of 4 PROMs. U25 & U27 can be used for pixel graphics PROMS
<b>Personality</b>	U22	



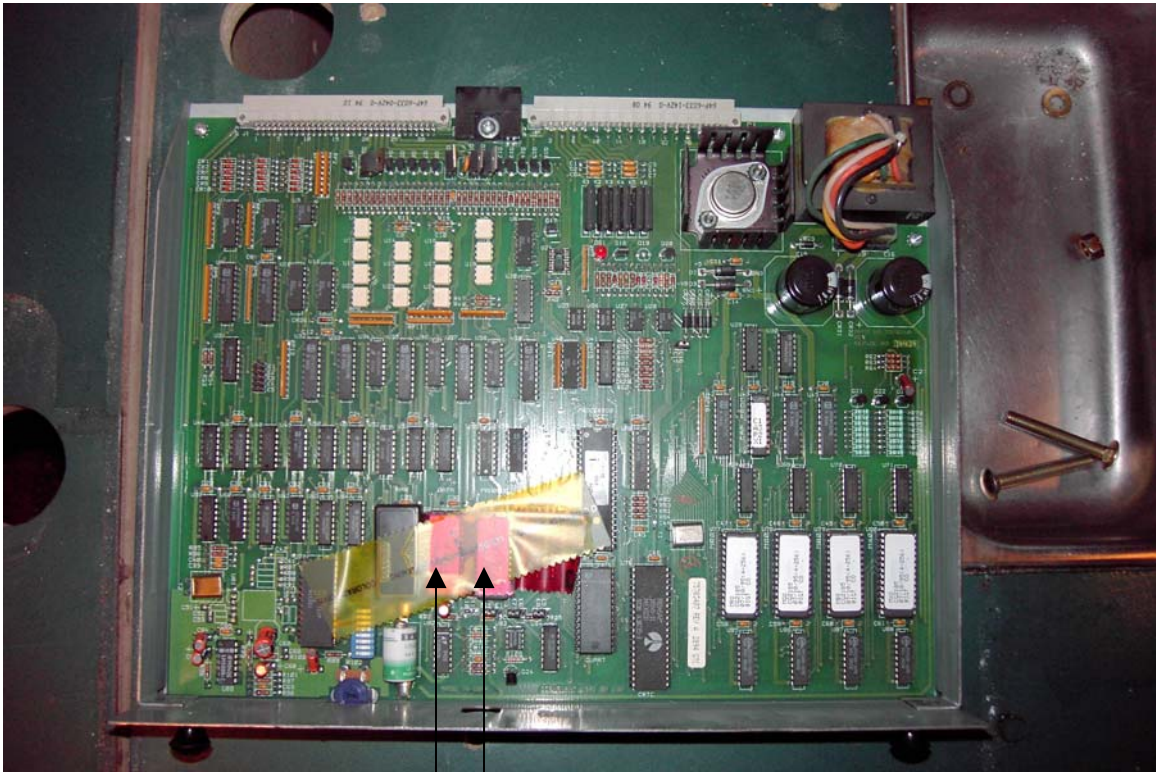
Ports J2 and J3

***IGT Game King Deluxe w/ Memory 2 Board (New Style GK00XXX)***

**Items to be Verified:**

Item	Position	Additional Information
Boot Program	U30	Can calculate SHA signature upon boot up.

**\*Note:** All of these programs (the Game Kit) are stored within one file that is flashed on the Deluxe Memory 2 Board, designated as GKxxxxxx. The new Deluxe Memory 2 Board, which is seated on top of the Deluxe Controller Board P/N 75704401, is flashed with the Game Kit file at the manufacturer's facility.



*IGT Players Edge Plus*

Items to be Verified:

Item	Position	Additional Information
Main Program	U67	
Personality Program	U66	

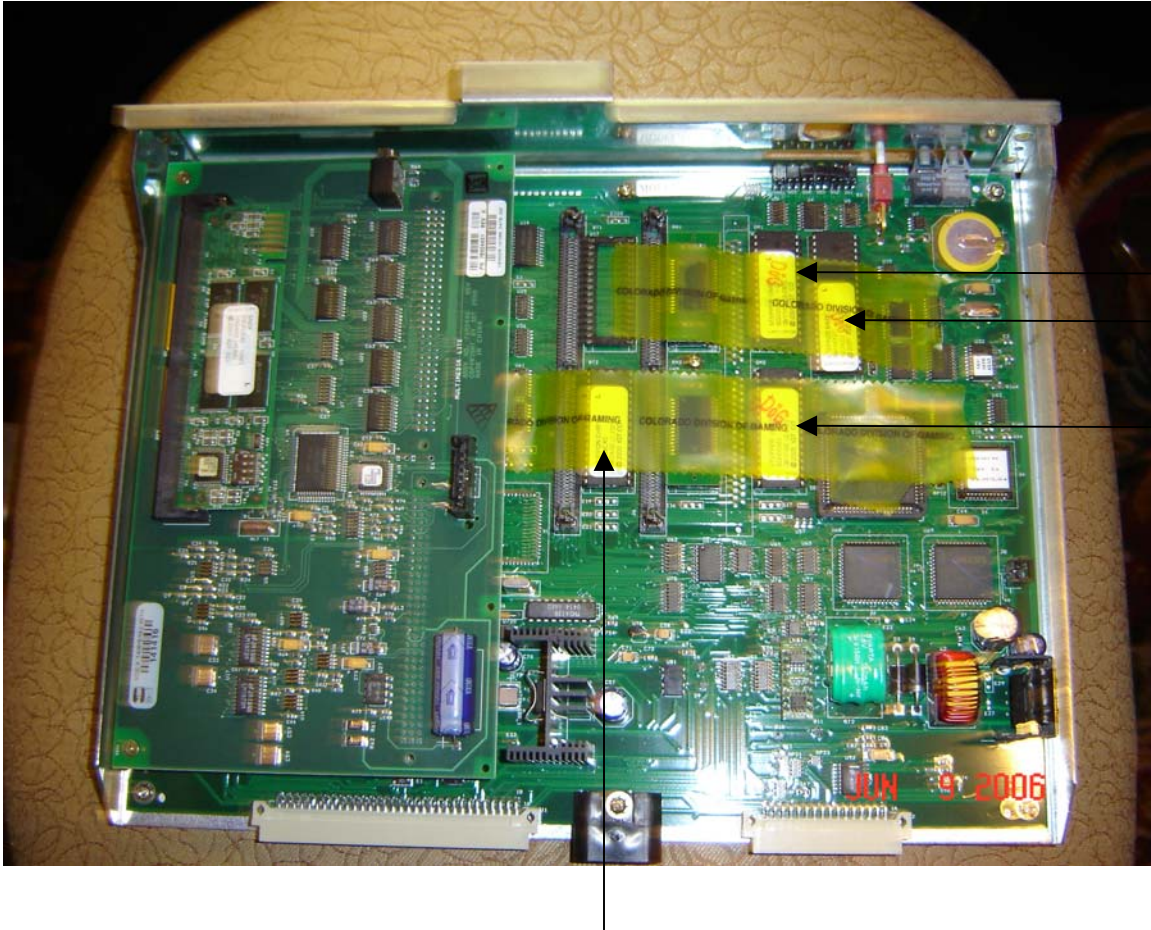
CMOS



*IGT S-Plus 16*

**Items to be Verified:**

Item	Position	Additional Information
Main Program	U57 or U52 (Board dependent)	
Personality Program	U58 or U53 (Board dependent)	
CMOS		Cover is required

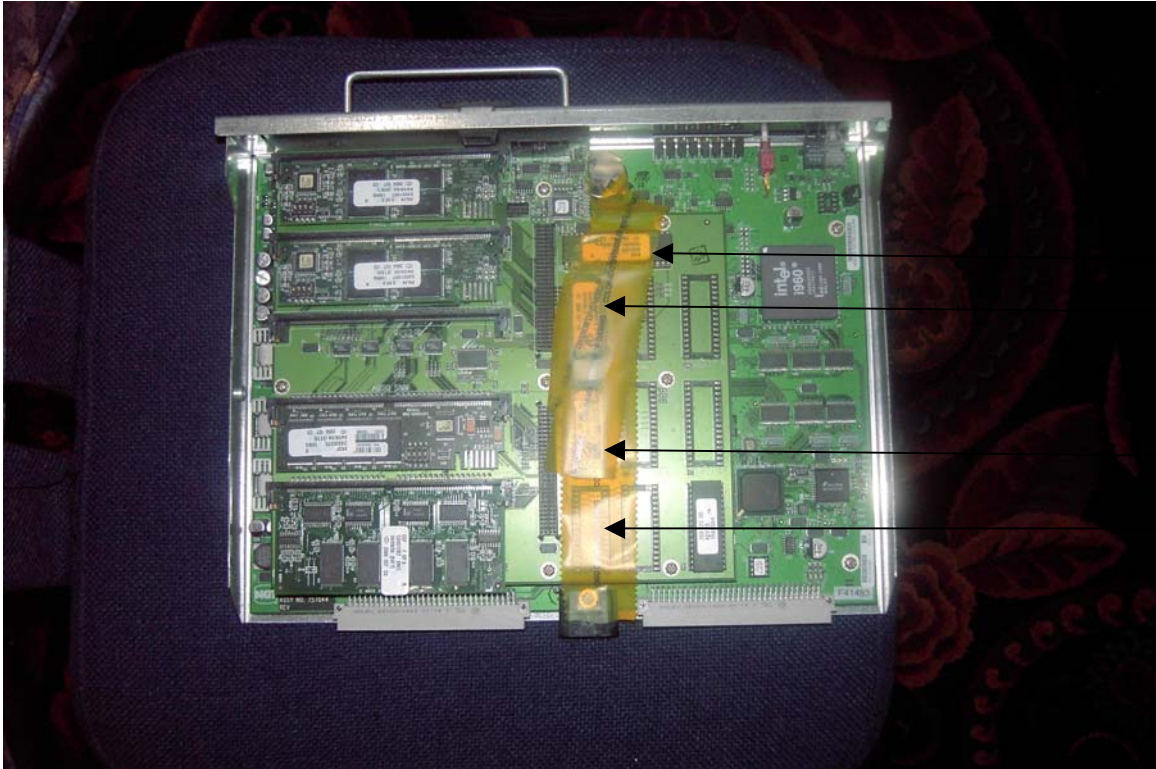


***IGT S2000 / Vision Slot***

**Items to be Verified:**

<b>Item</b>	<b>Position</b>	<b>Additional Information</b>
<b>Main Program</b>	U19 & U46	Also referred to as GME1 & GME2
<b>Personality Program</b>	U21	Also referred to as BASE
<b>SS Personality</b>	U17 (if applicable)	
<b>Version Chip</b>	U44	

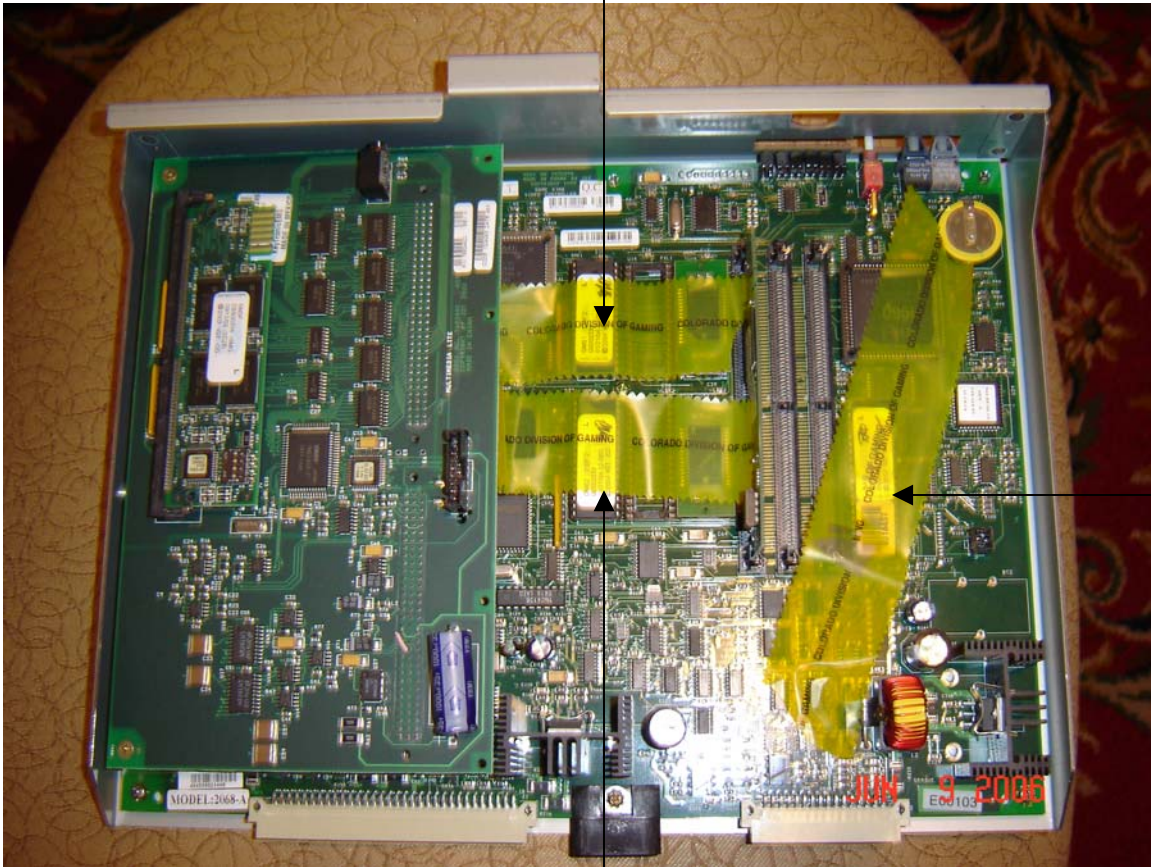




*IGT S2000 / Vision Slot w/ Legacy Memory 1 Board*

Items to be Verified:

Item	Position	Additional Information
<b>Main Program</b>	U19, U21, U22, U23	Also referred to as GME1, GME2, GME3 & GME4
<b>Personality Program</b>	Base	Also referred to as BASE
<b>Version Chip</b>	U44	



*IGT igame*

**Items to be Verified:**

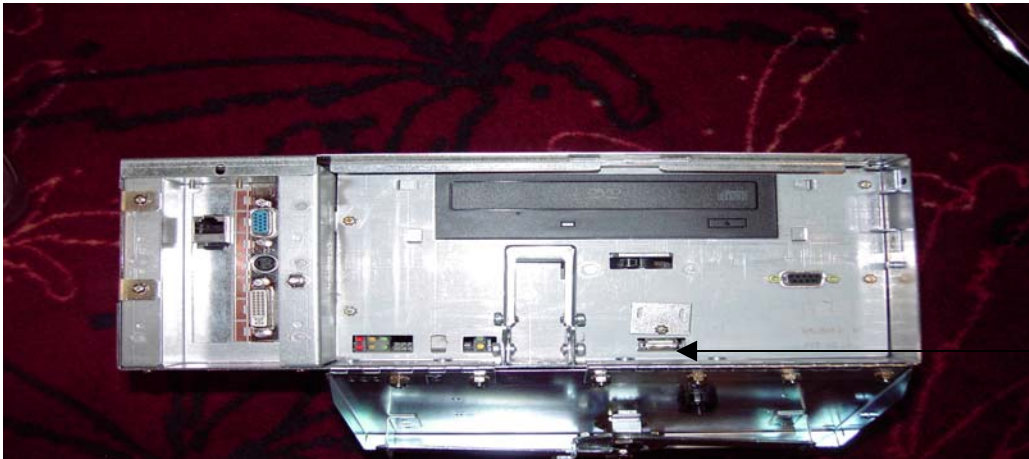
Item	Position	Additional Information
<b>Main Program</b>	U13, U36, U14, U37 (Also referred to as GME1, GME2,PXL1 &PXL2)	Most Main Programs are stored on only 2 GME chips that reside at U13 & U36, however larger programs may be stored on up to 4 GME chips with the additional EPROMS residing at U14 & U37
<b>Personality Program</b>	U39 (Also referred to as BASE)	Dependant on board revision.



***IGT IPC Controller***

**Items to be Verified:**

Item	Position	Additional Information
Main Program	U14	



*IGT-Trimline (AVP platform)*

**Items to be Verified:**

<b>Item</b>	<b>Position</b>	<b>Additional Information</b>
<b>Main Program</b>	Hard disk	Includes personality, sound and graphics. Write access to the hard disk is controlled by a USB port.
<b>Boot PROMs</b>	BOOT & BOOT2	Dependent on board revision

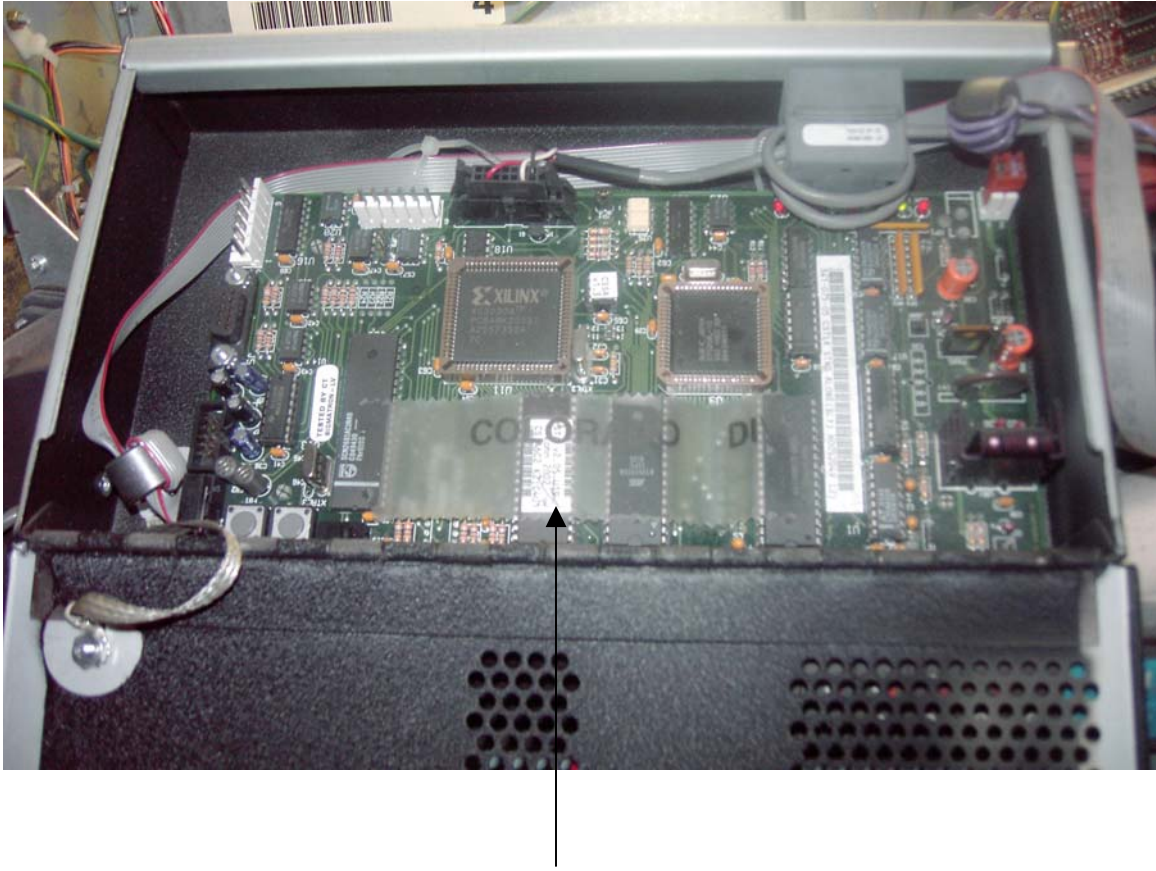
# MIKOHN



## *MIKOHN Sigma Dallas*

### Items to be Verified:

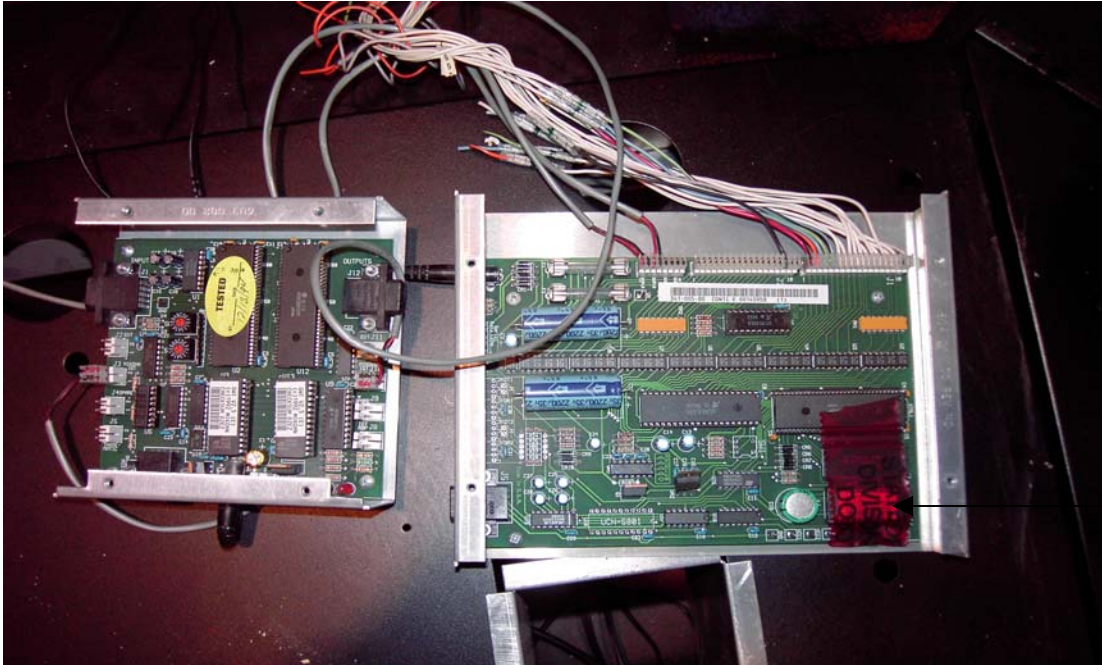
Item	Position	Additional Information
Main Program	CD-ROM	Contains Personality, graphics and sound.
HASH ROM	U52	



***MIKOHN CHAM2  
Plus***

**Items to be Verified:**

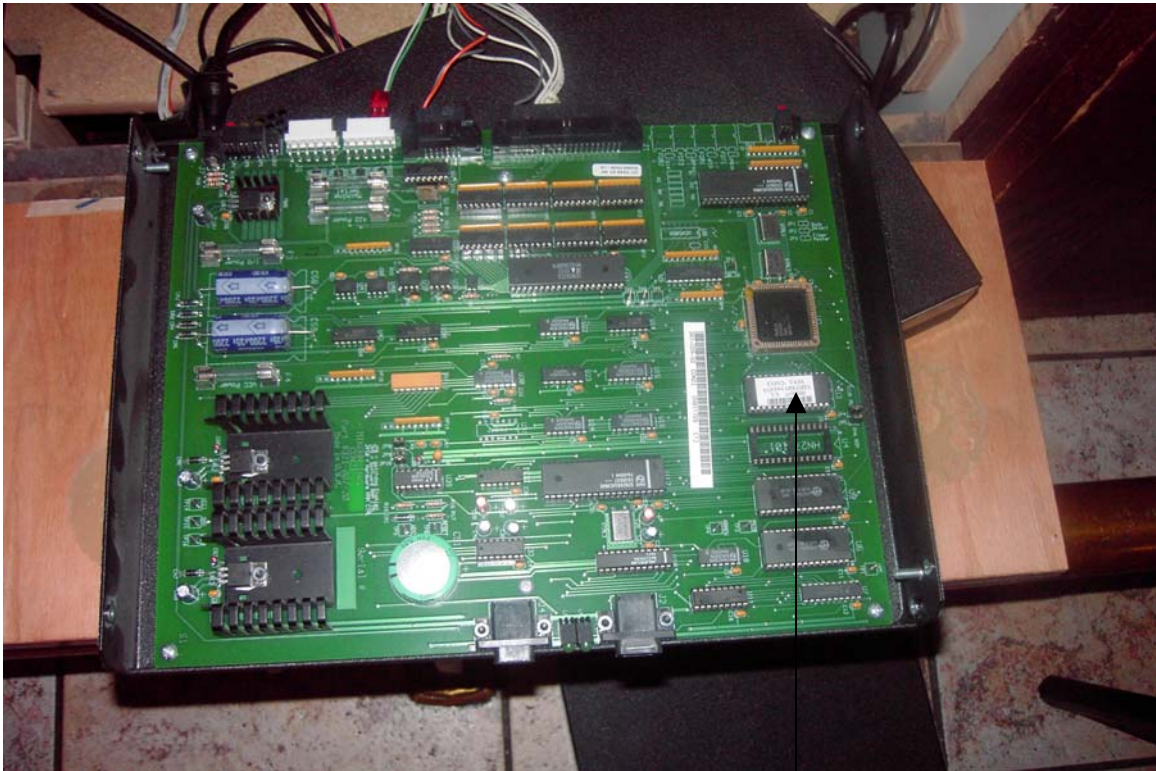
Item	Position	Additional Information
Main Program	U19	



***MIKOHN CON 1***

**Items to be Verified:**

Item	Position	Additional Information
Main Program	U19	

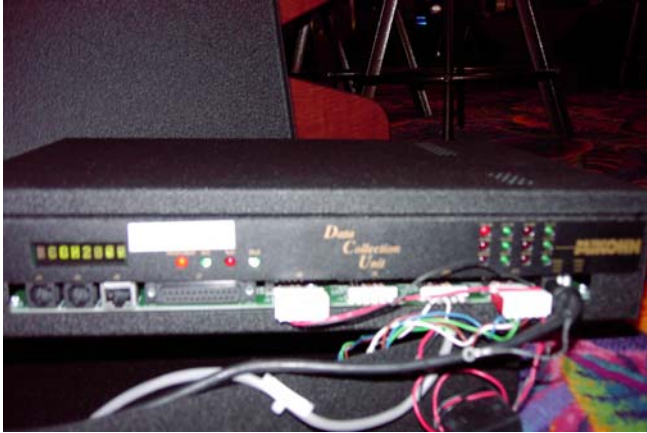


***MIKOHN CON 2***

**Items to be Verified:**

Item	Position	Additional Information
Main Program	U19	



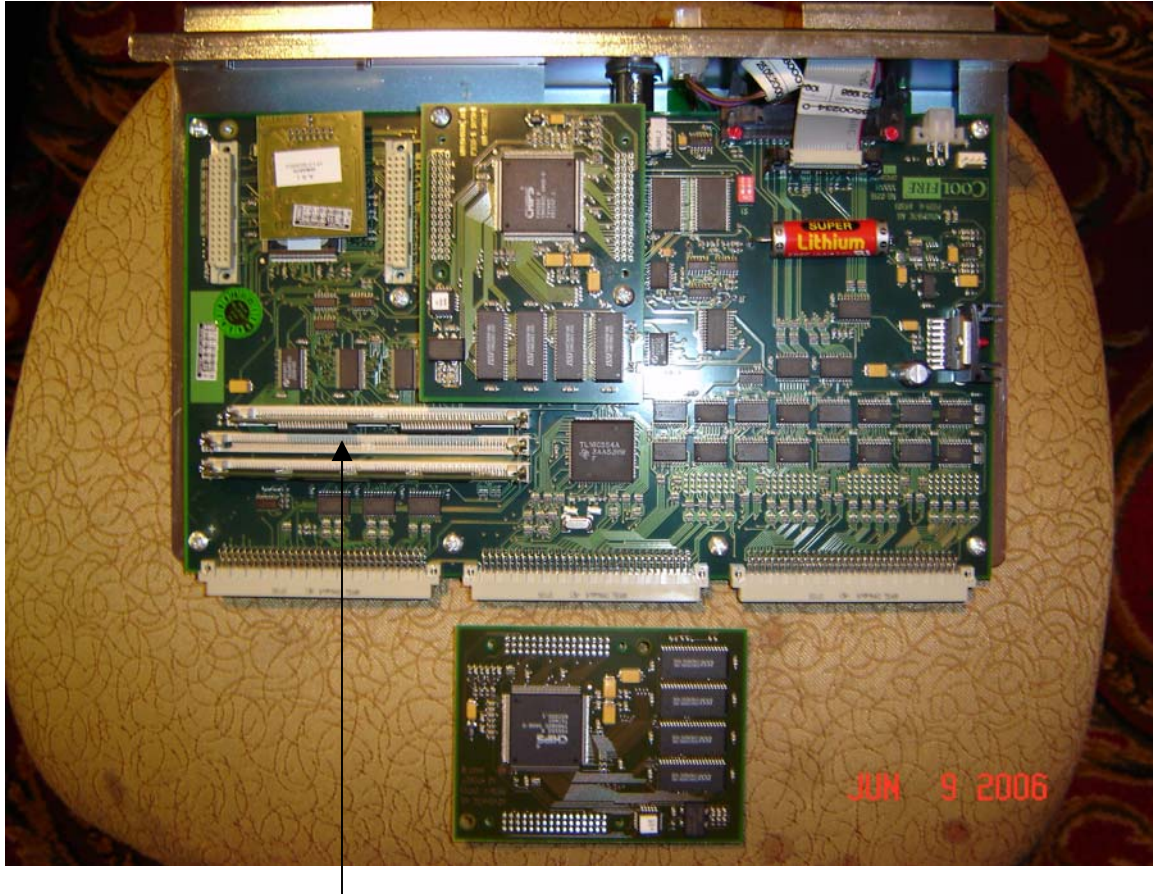


***MIKOHN DCU***

**Items to be Verified:**

Item	Position	Additional Information
Main Program	U6	

# NOVOMATIC



## *Novomatic Gaminator*

### Items to be Verified:

Item	Position	Additional Information
Main Program	X10	Tilt the software towards the rear side of the motherboard and pull it out.
Personality	U2	Characters on Dongle must match characters on X10

## QUEST (formerly ICGA)



### *QUEST VS & VS-02*

#### Items to be Verified:

Item	Position	Additional Information
Main Program	CD-ROM	Includes personality, sound and graphics
BIOS	U14 or U19	Dependent on board revision

# SIGMA

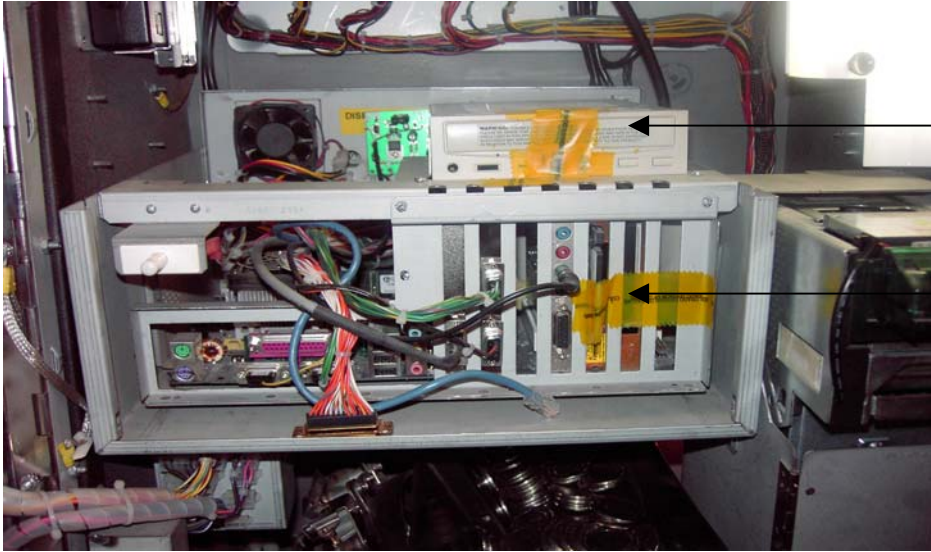


## *Sigma Reel SG-88*

Items to be Verified:

Item	Position	Additional Information
Main Program	IC66 & IC67	
Personality	IC71 & IC72	

# VISTA



RAM  
Storage

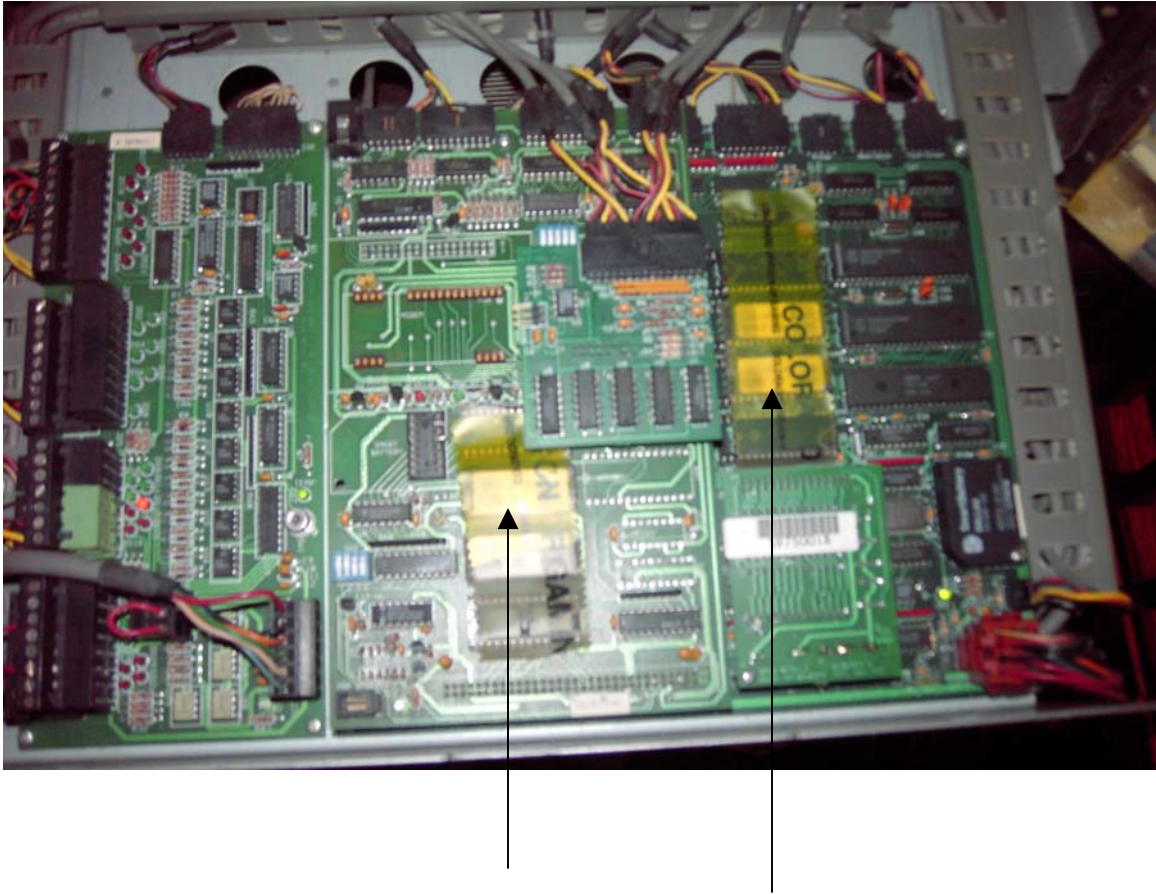


## *Vista ONA*

### Items to be Verified:

Item	Position	Additional Information
Main Program	CD Rom	
Personality	C18	

# VLC

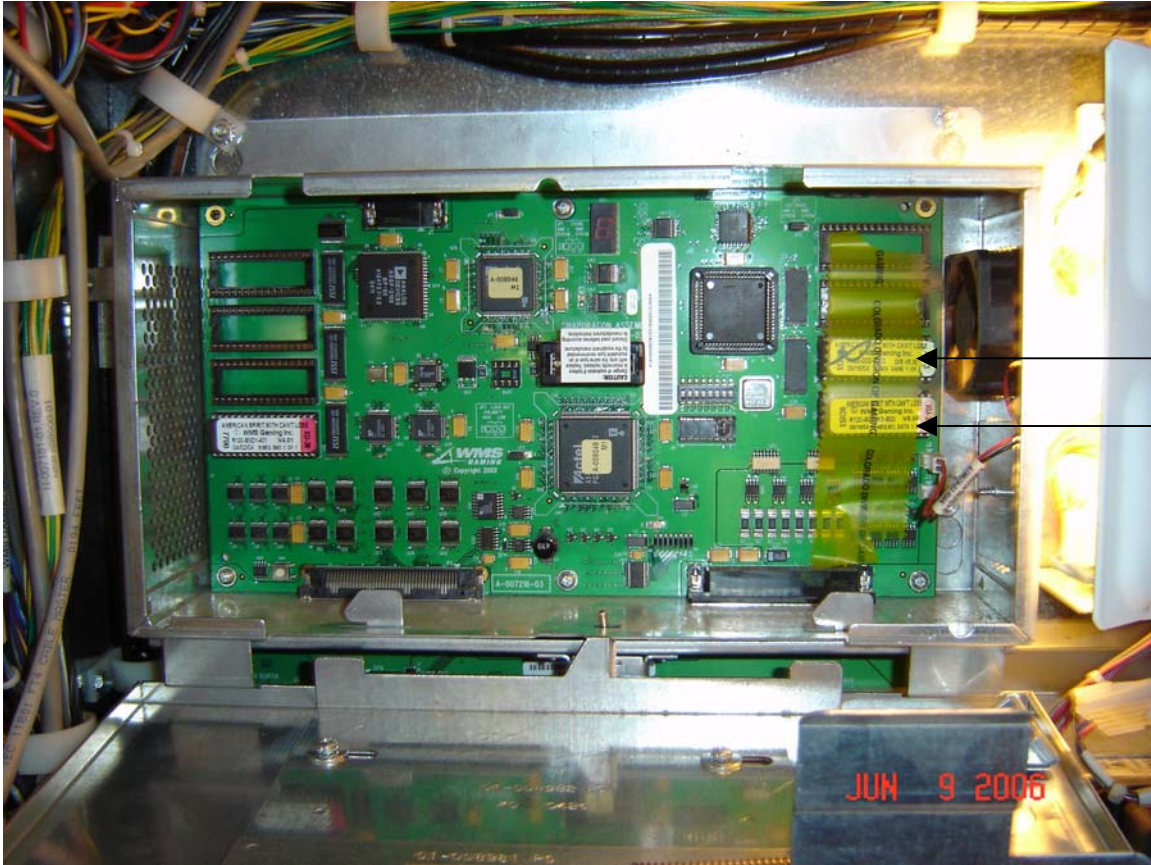


## *VLC 8825*

### Items to be Verified:

Item	Position	Additional Information
Main Program	U31 & U32	Includes personality

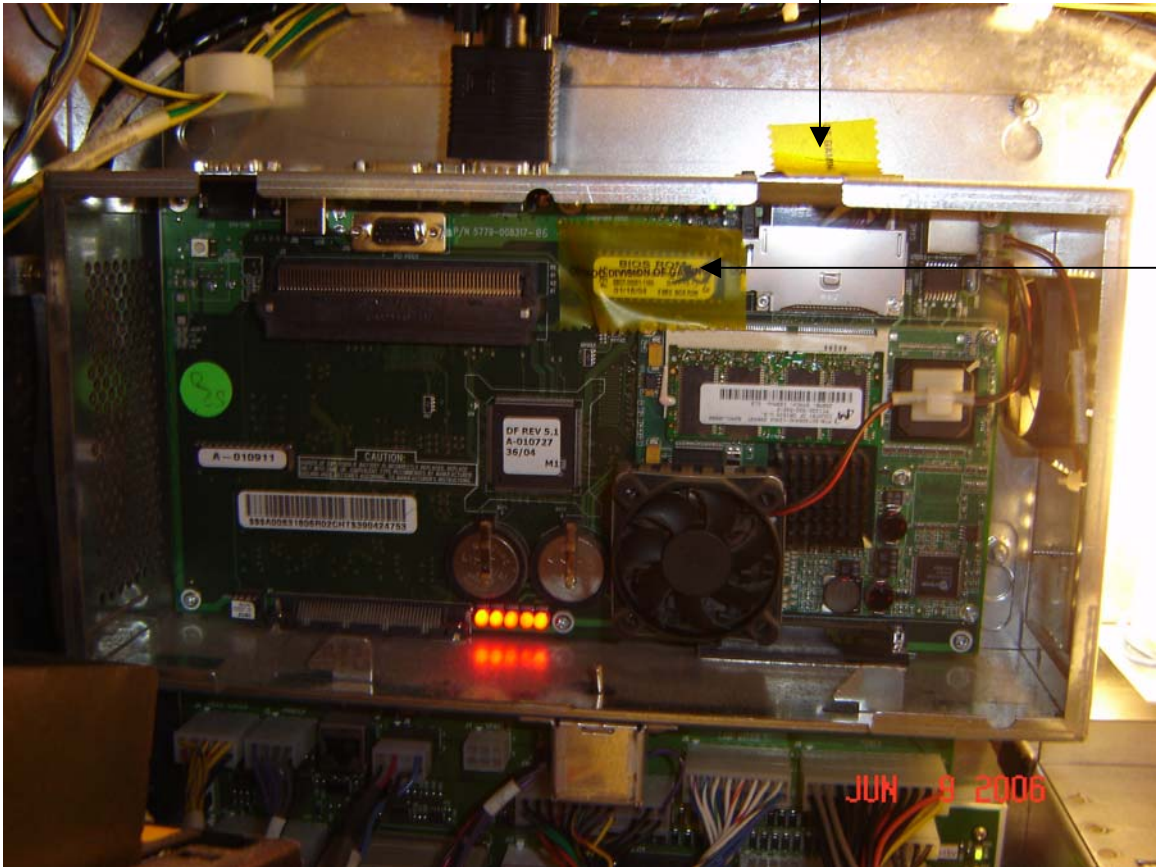
# WMS



## *WMS Bluebird Reel Slot*

Items to be Verified:

Item	Position	Additional Information
Main Program	XU3	
Personality	XU2	

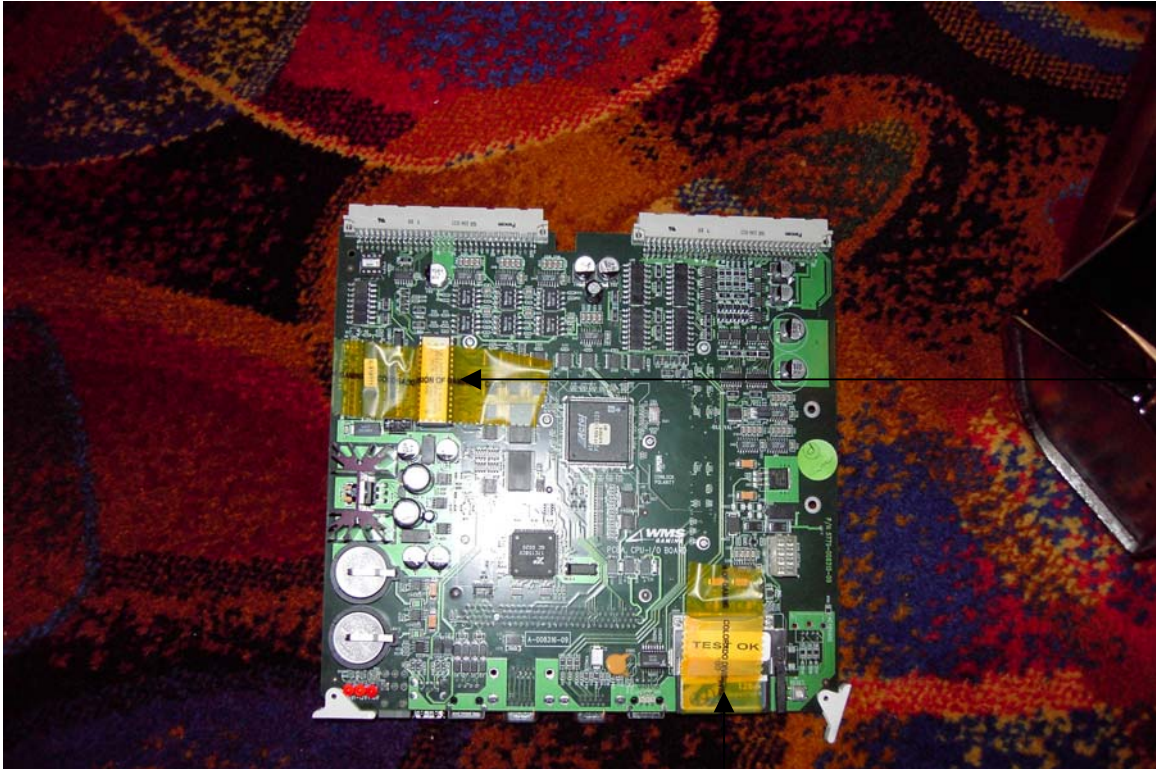


***WMS NXT - Bluebird Video Cabinet***

**Items to be Verified:**

<b>Item</b>	<b>Position</b>	<b>Additional Information</b>
<b>Main Program</b>	N/A	OS compact flash card
<b>Personality</b>	N/A	Game compact flash card also, contains graphics & sound
<b>BIOS</b>	U7	
<b>Jurisdictional SPI Chip</b>	U1016	Verify jurisdiction on screen of game





***WMS NXT - 550 or 360 Cabinet***

**Items to be Verified:**

<b>Item</b>	<b>Position</b>	<b>Additional Information</b>
<b>Main Program</b>	N/A	OS compact flash card
<b>Personality</b>	N/A	Game compact flash card, also contains graphics & sound
<b>BIOS</b>	U3	
<b>Jurisdictional SPI Chip</b>	U2	Verify jurisdiction on screen of game



*WMS Legacy*

**Items to be Verified:**

Item	Position	Additional Information
Main Program	XU3	

## References

1. Gaming Laboratories International, Inc., *Regulator Reference I Verification Manual*, 3/21/2006.

## Revisions

1. Revision 2, December 27, 2006.
  - a. Added Bally S5500 platform information to manual.
  - b. Changed / removed text information to clarify verification recommendations for individual game platforms throughout manual.
  - c. Added recommendation for on-screen jurisdictional verification for Bally Alpha and WMS NXT Blue Bird video machines.
  
2. Revision 3, July 5, 2007.
  - a. Added Aristocrat GAMBS2 (SPC) information to manual.