UNIVERSAL CARD LINK

MANUAL

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UNIVERSAL CARD LINK (UCL) SYSTEM

PURPOSE

- To harmonize the coin-operated amusement industry for a common/standard Card Reader interface as identified in this document.
- Having a standard to which game manufacturers of Video, Redemption and Card Systems adhere eliminates confusion during installation.
- To ensure quicker setups and miswiring of debit card applications, making both games and card systems less prone to potential damage during installation.

While highly recommended, it is ultimately the responsibility of the individual manufacturers to comply with this standard. Complying with this standard allows the manufacturer to advertise that it meets, accepts and inter-operates with other systems that are in compliance and will be recognized by the AAMA and its Standardization committee.

DEFINITION AND FUNCTIONALITY

Pin 1.   <u>+12v</u>- Supply to Card System = Minimum of 2A available for the card systems and a Max of 3A.

Pin 2.   <u>Player 1/Coin 1</u> - input to the game PCB. This pin is used for games with only one coin input.

Pin 3.   <u>Prize Meter/Ticket Notch 2</u>- is connected to the Ticket Notch line between the game PCB and ticket dispenser in standard redemption games, or can be connected to a prize meter line for a merchandiser or crane game. **(Only used when game have two ticket dispensers.)**   This line can be used by card systems for monitoring purposes. **<u>Not Used if the game doesn't have this output.</u>**

Pin 4. <u>Coin Meter 1</u> - is connected to the coin meter 1 output from the game PCB and can be used by card systems for monitoring purposes. **<u>Not used if the game doesn't have this output.</u>**

Pin 5. <u>Ticket Run/Enable 2</u>- is connected to the ticket run line between the game PCB and ticket dispenser in standard redemption games**. (Only used when game have two ticket dispensers** This is commonly used for systems using paperless or E-ticket. **<u>Not Used if the game doesn't have this output.</u>**

Pin 6. <u>Prize Meter/Ticket Notch 1</u>- is connected to the Prize or Ticket Meter output from the game PCB and can be used by card systems for monitoring purposes. **<u>Not used if the game doesn't have this output.</u>**

Pin 7. <u>Coin Inhibit/Enable</u>- is connected to the Coin or Note Inhibit/Enable output from the Game PCB and is used where the game has this feature for disabling any payment. This is normally for states like New Jersey that limit the amount of money that can be inserted at one time.

Pin 8. <u>Ticket Run/Enable 1</u> - is connected to the ticket run line between the game PCB and ticket dispenser in standard redemption games. This is commonly used for systems using paperless or E-ticket. **<u>Not Used if the game doesn't have this output.</u>**

Pin 9. <u>Ground</u>- is connected to the common Ground connection, the same ground as the Game PCB.

IMPORTANT NOTE

This connector has been designed for use in many different types of games and from all different game manufacturers; because of this, some pin connections will not be populated in all games. The pins that are used will depend on the type of game and the specific inputs and outputs that the game and the manufacturer uses. Along with incorporating this Universal Card Link into your products, you will <u>NEED</u> to apply the "UCL" symbol decal near and on the connector or coin mech/door area to allow the customer to easily recognize that their game can be quickly hooked up to a debit card system.

LOGO USAGE GUIDELINES

- **Create "UCL" symbol decals based on below guidelines.**

- **Apply the "UCL" symbol decal near the connector or coin mech/door to allow the customer to easily recognize that their game can be quickly hooked up to a card system.**

UNIVERSAL CARD LINK | UCL • *LOGO USAGE GUIDELINES*

COLOR LOGO

standard

reverse

BLACK & WHITE LOGO

standard

reverse

CLEAR AREA SURROUNDING LOGO

MINIMUM SIZE

1.75"

MODIFICATION DON'TS • *The mark cannot be altered, cut apart, separated, or otherwise distorted in perspective or appearance.*

do not distort or stretch

do not use different colors

HOUSING, WIRING AND TERMINALS

Game Manufacturer's Housing, Wiring and Terminals to use:

Molex 9-pin housing: 03-09-1093 OR 1094

Wire Gauge and Terminals: 02-09-1104 (14-20 gauge wire) or 02-09-1119 (18-22 gauge wire)

Debit Card System Manufacturer's Housing, Wiring and Terminals to use:

Molex 9-pin housing: 03-09-2092

Wire Gauge and Terminals: 02-09-2103 (14-20 gauge wire) or 02-09-2118 (18-22 gauge wire)

9-PIN MOLEX
03-09-1093 OR 1094
FEMALE TERMINALS:
22-24 GA: 02-09-1119
14-20 GA: 02-09-1104

MINIMUM REQUIREMENTS
ARE SHOWN IN BOLD TEXT

1.	**+12V**
2.	**PLAYER 1/COIN 1**
3.	PRIZE METER/TICKET NOTCH 2
4.	**COIN METER 1**
5.	TICKET RUN/ENABLE 2
6.	**PRIZE METER/TICKET NOTCH 1**
7.	COIN INHIBIT/ENABLE
8.	**TICKET RUN/ENABLE 1**
9.	**GROUND**

DIMENSIONS ARE IN INCHES		NAME	DATE	
TOLERANCES:	DRAWN	SK	7/31/14	
FRACTIONAL ±	CHECKED			
ANGULAR: MACH± BEND ±				
TWO PLACE DECIMAL ±				
THREE PLACE DECIMAL ±				
MATERIAL	COMMENTS:	UNIVERSAL CARD LINK		
FINISH				
DO NOT SCALE DRAWING		SIZE **A** DWG. NO.		REV.
		SCALE:1:1 WEIGHT:	SHEET 1 OF 1	