



TRIPLE NOISE CANCELLING JACK 1155

All the audio, none of the noise

Customer experience, cost effectiveness, reliability and maintainability have been at the forefront of the 1155's design from the very first stages of development. The 1155 includes IFPL's Integrated Noise Cancelling Audio Module (INCAM™), Long Life™ and 'push through pin' technologies.

IFPL's INCAM technology is specifically designed to minimise cabin background noise – ensuring passengers arrive in a more relaxed and rested state, whilst having experienced clarity of sound from their In-flight Entertainment (IFE) system.

Whilst some passengers may use their own noise-cancelling headphones, IFPL's INCAM removes the complex electronics from the headset and places them in the jack module. This reduces the need for costly noise cancelling headsets as the headsets only require additional microphones in the ear cups to pick up the ambient noise. This improved experience can be made available across the entire aircraft for all passengers to enjoy.

The 1155 is robust and reliable as it includes IFPL's Long Life and 'push through pin' technologies. IFPL's Long Life technology is aimed at delivering reliability through high quality materials and design. The Long Life jacks have been tested to over 100,000 insertions. This minimises on-wing replacement costs and ensures high levels of unit availability to deliver high customer satisfaction. The 1155 accepts industry standard C2 modified and D2 (Long Life INCAMs) and C2 powered NC headsets, A2/B2 dual pin and A1/B1 single pin, stereo regular headsets.

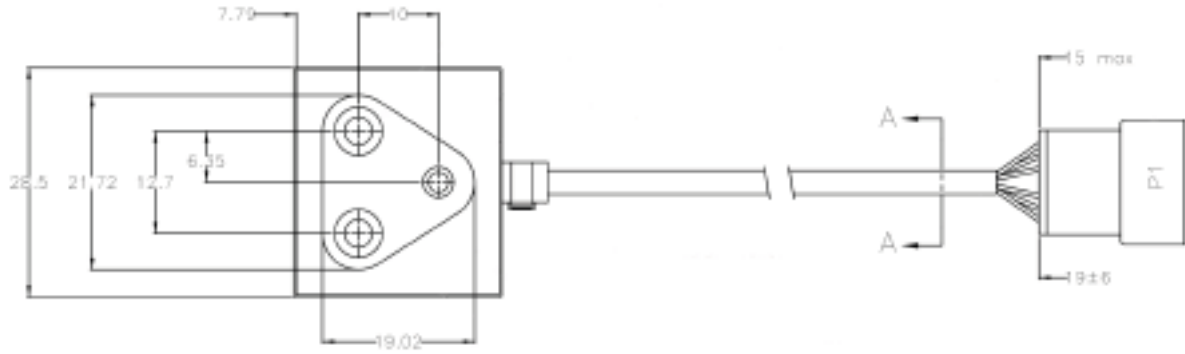
IFPL's 'push through pin' technology means the jack does not have to be replaced in the event of a headset pin breaking. The design ensures that when a headset pin has been snapped off it can be simply pushed through and collected in a reservoir at the back of the jack. This reservoir has been known to hold as many as 12 broken pins. This minimises on-wing and unit replacement costs and significantly improves unit availability.

CUSTOMER SATISFACTION

- Provides a more high quality and relaxing in-flight experience
- Our INCAM™ technology reduces unwanted background noise
- Compatible with airline standard and leading passenger carry on headsets
- Passengers arrive more rested and relaxed

AIRLINE PROPOSITION

- INCAM™ technology designed to minimise airline headset costs
- Accepts ARINC standard D1/D2, A1/B1, A2/B2, C2 & C2 modified headsets
- Long Life™ technology delivering industry leading reliability
- 'Push through pin' technology minimises the impact of broken headset pins



1155 TECHNICAL SPECIFICATION

IFPL is an innovative award winning company specialising in the design and manufacture of passenger interface solutions to the global In-flight Entertainment and Connectivity (IFEC) industry.

Twice winner of the prestigious Queen's Award for Enterprise, we are unique in our ability to combine industry leading innovation with manufacturing excellence; through comprehensive in-house capability that enables our clients to work closely with us in transforming ideas, from concept to prototype and then delivered as industrialised, certified and production ready solutions.

PART		
Name	Triple Noise Cancelling	
Number	1155	
CONFIGURATION OPTIONS		
Configuration	Triple pin, Long Life Type C2 modified	
Headset Compatibility	C2 modified and D2 [Long Life INCAMS] and C2 powered NC headset, A2/B2 dual pin and A1/B1 single pin, stereo regular headsets.	
ELECTRICAL CHARACTERISTICS		
Minimum Attenuation	-12 db between 150hz & 400hz, depends on headset.	
Typical Attenuation	Better than - 16db between 150hz & 400hz	
Operating Voltage Range	5-32 VDC	
Nom. Current	30mA (60mA, Max.)	
Headset Impedance	32-300 ohms	
External Connection	To customer requirement. Standard part is JST SMR-06V-B	
COLOUR		
Standard	Slate Grey	
Customisable?	Yes	
OPERATING TEMPERATURE		
Typical	+15°C to +25°C	
Functional	-15°C to +55°C	
MECHANICAL		
Housing	Fire Retardant Polycarbonate or Lexan 953A (meets FAR 25.853(b))	
Weight	22g	
Insertions / Extractions	>100,000	
Insertion Force	2.2N (minimum)	
Panel Cut-out	Standard Arinc 628	
Panel Thickness	2mm (0.080")	
Termination Connection	JST SMR Series Connector	
Pigtail Fixing	Standard	6"
	Customisable?	Yes
Connector Contacts	Gold Plated Phospor Bronze	
Panel Cut-out	Clamped into aperture	
INDUSTRY COMPLIANCE		
Triple Audio Jack	ARINC 628 Part 2	
Electrical Assemblies	RoHS Compliant	